



DEPARTMENT OF ENVIRONMENTAL QUALITY

KATHLEEN BABINEAUX BLANCO

GOVERNOR

MIKE D. McDANIEL, Ph.D.

SECRETARY

Certified Mail No.

Agency Interest No. 1406
Activity No.: PER20020014

Ms. Anne-Marie Ainsworth
General Manager
Norco Refinery
Motiva Enterprises LLC
P. O. Box 10
Norco, Louisiana 70079

RE: Part 70 Operating Permit Renewal/Modification, Logistics I, Norco Refinery, Motiva Enterprises LLC, Norco, St. Charles Parish, Louisiana

Dear Ms. Ainsworth:

This is to inform you that the permit renewal/modification for the above referenced facility has been approved under LAC 33:III.501. The submittal was approved on the basis of the application submitted and the approval in no way relieves the applicant of the obligation to comply with all the applicable requirements.

It will be considered a violation of the permit if all proposed control measures and/or equipment are not installed and properly operated and maintained as specified in the application.

Operation of this facility is hereby authorized under the terms and conditions of this permit. This authorization shall expire at midnight on the _____ of _____, 2012, unless a timely and complete renewal application has been submitted six months prior to expiration. Terms and conditions of this permit shall remain in effect until such time as the permitting authority takes final action on the application for permit renewal. The permit number and date of issue cited below and the AI No. 1406 should be referenced in future correspondence regarding this facility.

Done this ___ day of _____, 2007.

Permit No.: 2913-V0

Sincerely,

Chuck Carr Brown, Ph.D.
Assistant Secretary

SGQ
c: EPA Region VI

ENVIRONMENTAL SERVICES
: PO BOX 4313, BATON ROUGE, LA 70821-4313
P:225-219-3181 F:225-219-3309
WWW.DEQ.LOUISIANA.GOV

**AIR PERMIT BRIEFING SHEET
AIR PERMITS DIVISION
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY**

**LOGISTICS I
AGENCY INTEREST NO. 1406
MOTIVA ENTERPRISE LLC, NORCO REFINERY
NORCO, ST. CHARLES PARISH, LOUISIANA**

I. BACKGROUND

Motiva Enterprises, LLC (Motiva) owns and operates the Norco Refinery. The Logistics II is operating under Permit No. 2510-V1 dated July 21, 2000 as Shared Sources before the split in ownership of Shell Oil Company (Shell Norco East Site) and Motiva Enterprises LLC. In 1998, Shell Oil Company (Shell), Texaco Inc. (Texaco), and Saudi Aramco formed a joint venture under the name Motiva Enterprises, LLC. At the present time, Shell Norco Refining Company-East Site is no longer wholly owned by the same parent company. In 2001, Texaco merged with Chevron and its interests in Motiva were purchased by Saudi Aramco and Shell (Motiva Enterprises, LLC). This permit deals with the equipment and emissions directly owned by Motiva Enterprises.

II. ORIGIN

A permit application and Emission Inventory Questionnaire (EIQ) was submitted in August 2002 requesting an approval of proposed modification and renewal to the existing Logistics I permit. An updated and modified permit application and EIQs dated February 16, 2007 were submitted requesting a renewal and modification. An addendum dated July 27, 2007 was also submitted. Additional information as of September 14, 2007 was also received.

III. DESCRIPTION

Motiva operates a petroleum refinery and manufactures petroleum products from crude oil, condensate, natural gas condensate, and partially refined products such as gas oil. Products include LPG, ethylene, propylene, chemical products, finished gasoline, diesel, aviation turbine fuel, heating oils, residuals, petroleum coke, and sulfur.

This permit comprise of the storage tanks, distribution piping system, marine vapor recovery, wastewater treatment, oil water separation, flares, and equipment fugitives.

Motiva Enterprises, LLC proposes to modify the Logistics I permit by updating the equipment inventory (i.e. remove the Shell equipment) based on the split between Shell and Motiva and other reconciliation as follows:

1. Incorporate the updated emissions based on the Case-by-Case Insignificant Activities approved for Catalyst Regeneration emissions flaring (submittal dated May 19, 2004); HCU and H2 startup/shutdown emissions flaring (submittal dated December 14, 2004); CR-1, CR-2 and NHT startup/shutdown emissions flaring (submittal dated February 3, 2005); NHT/CR-1 Knockout Pot and NG Purge Stream emissions flaring (submittal dated February 16, 2005); CR-1 Depressuring

**AIR PERMIT BRIEFING SHEET
AIR PERMITS DIVISION
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY**

**LOGISTICS I
AGENCY INTEREST NO. 1406
MOTIVA ENTERPRISE LLC, NORCO REFINERY
NORCO, ST. CHARLES PARISH, LOUISIANA**

emissions flaring (submittal dated May 19, 2005); CR-2 Chloride Adsorber Vent flaring (submittal dated March 27, 2006) and Automatic Distillation Analyzer (submittal dated January 12, 2005);

2. Include and Split the Motiva sources into two permits - Logistic I and Logistic II;
3. Create a Finished Gasoline Tank Cap and HCU/Coker Flare Cap; the two flares will be used as backup for each other to maintain operational flexibility;
4. Incorporate Coke Pile emissions permitted under a Small Source Exemption dated October 31, 2001;
5. Incorporate the emissions from the Pitstop Project approved on October 13, 2001;
6. Update the emissions based on upgrade of the seal configuration for two tanks;
7. Update the emission source inventory based on current operations after the split;
8. Update the General Condition XVII activities;
9. Incorporate Startup/Shutdown emissions; and
10. Incorporate Tank Cleaning emissions.

Permitted emissions from the Logistics I tons per year are as follows:

<u>Pollutant</u>	<u>Permitted Emissions</u>
PM ₁₀	4.59
SO ₂	206.39
NO _x	32.65
CO	177.59
VOC	1349.01

VOC LAC 33:III Chapter 51 Toxic Air Pollutants (TAPs):

Pollutant	Tons per year
1,3-Butadiene	0.20
1-Methylnaphthalene	0.07
2,2,4-Trimethylpentane	8.77
2-Methylnaphthalene	0.14
Acetaldehyde	<0.01
Acetonitrile	<0.01
Acrolein	<0.001

**AIR PERMIT BRIEFING SHEET
AIR PERMITS DIVISION
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY**

**LOGISTICS I
AGENCY INTEREST NO. 1406
MOTIVA ENTERPRISE LLC, NORCO REFINERY
NORCO, ST. CHARLES PARISH, LOUISIANA**

Pollutant	Tons per year
Ammonia	<0.01
Benzene	50.69
Biphenyl	0.28
Cresol	0.05
Cumene	0.08
Diethanolamine	0.01
Ethyl benzene	42.60
Formaldehyde	0.02
Hydrogen Sulfide	6.90
n-Hexane	67.19
Methanol	4.65
Methyl ethyl ketone	0.53
Methyl tert butyl ether	10.95
Naphthalene	8.00
Polynuclear Aromatic Hydrocarbon	1.21
Phenol	0.01
Styrene	0.92
Toluene	126.75
Xylene(mixed isomers)	60.57
Total	390.59
Other VOC	958.42

Comparison between before and after emissions are not being represented as the "Shared Sources" Part 70 Permit No. 2510-V1 dated July 21, 2000 included equipment and emissions from Shell Norco East Site (both from Shell and Motiva). This permit only deals with the equipment and emissions from Motiva Enterprises, LLC. There is no significant increase due to the split for any criteria pollutant except for carbon monoxide (CO). The CO emissions increase is mainly due to the reconciliation of emissions from the West Ops Ground Flare which better represents the actual operations at the facility after the split and the updated AP-42 (US EPA) emission factors. Other increases are due to the incorporation of startup/shutdown and tank cleaning emissions as permitted emissions. In the past startup/shutdown and tank cleaning emissions were covered under variances.

**AIR PERMIT BRIEFING SHEET
AIR PERMITS DIVISION
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY**

**LOGISTICS I
AGENCY INTEREST NO. 1406
MOTIVA ENTERPRISE LLC, NORCO REFINERY
NORCO, ST. CHARLES PARISH, LOUISIANA**

IV. TYPE OF REVIEW

This permit was reviewed for compliance with Louisiana Air Quality Regulations and New Source Performance Standards (NSPS), and NESHAP. Prevention of Significant Deterioration does not apply.

This facility is part of a major source of toxic air pollutants. Air toxic compliance plan was incorporated in all the Part 70 permits for the facility.

The facility is classified under "Petroleum Refineries" for which there are established standards in New Source Performance Standards (NSPS), 40 CFR 60 Subpart J – Petroleum Refineries. Norco Refinery is also subject to NSPS, 40 CFR 60 Subpart GGG – Standards of Performance for Equipment Leaks of VOC in Petroleum Refineries; 40 CFR 60 Subpart QQQ – Standards of Performance for VOC Emissions From Petroleum Refinery Wastewater System; National Emission Standards for Hazardous Air Pollutants (NESHAP), 40 CFR 63 Subpart CC – National Emission Standards for Hazardous Air Pollutants From Petroleum Refineries. The refinery as a whole is a major source of toxic air pollutants and must comply with all applicable requirements of LAC 33:III.Chapter 51. The refinery as a whole shall comply with all the applicable provisions of NESHAP, 40 CFR 61 Subpart FF – National Emission Standard for Benzene Waste Operations. Motiva is also subject to all applicable provisions of Louisiana Refinery MACT Determination dated July 26, 1994 and other approvals by LDEQ.

V. CREDIBLE EVIDENCE

Notwithstanding any other provisions of any applicable rule or regulation or requirement of this permit that state specific methods that may be used to assess compliance with applicable requirements, pursuant to 40 CFR Part 70 and EPA's Credible Evidence Rule, 62 Fed. Reg. 8314 (Feb. 24, 1997), any credible evidence or information relevant to whether a source would have been in compliance with applicable requirements if the appropriate performance or compliance test or procedure had been performed shall be considered for purposes of Title V compliance certifications. Furthermore, for purposes of establishing whether or not a person has violated or is in violation of any emissions limitation or standard or permit condition, nothing in this permit shall preclude the use, including the exclusive use, by any person of any such credible evidence or information.

VI. PUBLIC NOTICE

A notice requesting public comment on the permit was published in The Advocate, Baton Rouge, Louisiana and The St. Charles Herald - Guide, Norco, Louisiana, on March **, 2007. All

**AIR PERMIT BRIEFING SHEET
 AIR PERMITS DIVISION
 LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY**

**LOGISTICS I
 AGENCY INTEREST NO. 1406
 MOTIVA ENTERPRISE LLC, NORCO REFINERY
 NORCO, ST. CHARLES PARISH, LOUISIANA**

comments shall be considered before a final decision is made for the proposed permit. Copies of the public notice were mailed out to individuals on the mailing list maintained by Office of Environmental Services on March **, 2007. The proposed permit was sent to EPA via e-mail on March **, 2007.

VII. EFFECTS ON AMBIENT AIR

Dispersion Model(s) Used: None

Pollutant	Time Period	Calculated Maximum Ground Level Concentration	Louisiana Air Quality Standard (NAAQS)
NA			

VIII. GENERAL CONDITION XVII ACTIVITIES (tons per year)

Activity	Frequency	NOX	CO	SO2	PM10	VOC
Logistics I Sampling	95 events/week					0.32
Pump Preparation and Equipment Maintenance	10/month					0.02

IX. INSIGNIFICANT ACTIVITIES

ID No.:	Description	Citation
None		

**AIR PERMIT BRIEFING SHEET
AIR PERMITS DIVISION
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY**

**LOGISTICS I
AGENCY INTEREST NO. 1406
MOTIVA ENTERPRISE LLC, NORCO REFINERY
NORCO, ST. CHARLES PARISH, LOUISIANA**

X. Applicable Louisiana and Federal Air Quality Requirements

ID No.:	Description	LAC 33:III.Chapter															
		5	9	11	13	15	17	2103	2109	2111	2113	2115	2121	29*	51*	56	59
UNF006	Logistics I	1	1	1	1	1								1	1	1	1
ARE024	5058-07, Logistics Wastewater System														1		
EQT183	1022-95, Fixed Roof Tank F-470														1		
EQT184	1023-95, Fixed Roof Tank F-471														1		
EQT185	1024-95, Fixed Roof Tank F-472														1		
EQT186	1026-95, Fixed Roof Tank F-474														1		
EQT187	1027-95, Fixed Roof Tank F-475														1		
EQT188	1028-95, Fixed Roof Tank F-505														1		
EQT189	1029-95, Fixed Roof Tank F-506														1		
EQT190	1030-95, Fixed Roof Tank F-507														1		
EQT191	1034-95, Fixed Roof Tank F-432														1		
EQT192	1035-95, Fixed Roof Tank F-490														1		
EQT193	1036-95, Fixed Roof Tank F-504														1		
EQT194	1042-95, Fixed Roof Tank F-407														1		
EQT195	1043-95, Fixed Roof Tank F-425														1		
EQT196	1044-95, Fixed Roof Tank F-450														1		
EQT197	1045-95, Fixed Roof Tank F-451														1		

**AIR PERMIT BRIEFING SHEET
AIR PERMITS DIVISION
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY**

**LOGISTICS I
AGENCY INTEREST NO. 1406
MOTIVA ENTERPRISE LLC, NORCO REFINERY
NORCO, ST. CHARLES PARISH, LOUISIANA**

X. Applicable Louisiana and Federal Air Quality Requirements

ID No.:	Description	LAC 33:III.Chapter															
		5 ^A	9	11	13	15	17	2103	2109	2111	2113	2115	2121	29*	51*	56	59
EQT198	1046-95, Fixed Roof Tank F-453							2							1		
EQT199	1047-95, Fixed Roof Tank F-454							2							1		
EQT200	1048-95, Fixed Roof Tank F-510							2							1		
EQT201	1058-95, Fixed Roof Tank H-436							2							1		
EQT202	1067-95, Fixed Roof Tank F-436							2							1		
EQT203	1068-95, Fixed Roof Tank F-438							2							1		
EQT204	1069-95, Fixed Roof Tank F-487							2							1		
EQT205	1070-95, Fixed Roof Tank F-488							2							1		
EQT206	1074-95, Fixed Roof Tank F-511							2							1		
EQT207	1075-95, Fixed Roof Tank F-512							2							1		
EQT208	1092-95, Fixed Roof Tank W-416							2							1		
EQT209	1209-95, External Floating Roof (EFR) Tank W-414							2							1		
EQT210	1210-95, EFR Tank K-558							2							1		
EQT211	1214-95, EFR Tank A-412							1							1		
EQT212	1215-95, EFR Tank A-413							1							1		
EQT213	1216-95, EFR Tank A-414							1							1		

**AIR PERMIT BRIEFING SHEET
AIR PERMITS DIVISION
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY**

**LOGISTICS I
AGENCY INTEREST NO. 1406
MOTIVA ENTERPRISE LLC, NORCO REFINERY
NORCO, ST. CHARLES PARISH, LOUISIANA**

X. Applicable Louisiana and Federal Air Quality Requirements

ID No.:	Description	LAC 33:III. Chapter																
		5 ▲	9	11	13	15	17	2103	2109	2111	2113	2115	2121	29*	51*	56	59	
EQT214	1217-95, EFR Tank A-415							1										1
EQT215	1218-95, EFR Tank A-416							1										1
EQT216	1219-95, EFR Tank A-417							1										1
EQT217	1220-95, EFR Tank A-418							1										1
EQT218	1221-95, EFR Tank A-419							1										1
EQT219	1222-95, EFR Tank A-420							1										1
EQT220	1223-95, EFR Tank F-468							1										1
EQT221	1225-95, EFR Tank F-440							1										1
EQT222	1226-95, EFR Tank F-442							1										1
EQT223	1227-95, EFR Tank F-455							1										1
EQT224	1228-95, EFR Tank F-456							1										1
EQT225	1229-95, EFR Tank F-458							1										1
EQT226	1230-95, IFR Tank F-481							1										1
EQT227	1234-95, EFR Tank F-441							1										1
EQT228	1235-95, EFR Tank F-443							1										1
EQT229	1236-95, EFR Tank F-444							1										1
EQT230	1237-95, EFR Tank F-457							1										1
EQT231	1238-95, EFR Tank F-480							1										1

**AIR PERMIT BRIEFING SHEET
AIR PERMITS DIVISION
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY**

**LOGISTICS I
AGENCY INTEREST NO. 1406
MOTIVA ENTERPRISE LLC, NORCO REFINERY
NORCO, ST. CHARLES PARISH, LOUISIANA**

X. Applicable Louisiana and Federal Air Quality Requirements

ID No.:	Description	LAC 33:III.Chapter																
		5 ^A	9	11	13	15	17	2103	2109	2111	2113	2115	2121	29*	51*	56	59	
EQT232	1239-95, EFR Tank F-482																	
EQT233	1241-95, EFR Tank F-463																	
EQT234	1242-95, EFR Tank F-479																	
EQT235	1245-95, EFR Tank F-466																	
EQT236	1246-95, EFR Tank F-484																	
EQT237	1247-95, EFR Tank F-493																	
EQT238	1253-95, EFR Tank F-464																	
EQT239	1254-95, EFR Tank F-465																	
EQT240	1255-95, EFR Tank F-469																	
EQT241	1-98, Coke Pile								1									
EQT242	2-84, Coker Flare FE-401							1	1	1								
EQT243	3107-95, Oil/Water Separator												2					
EQT244	4-84, HCU Flare FE-301								1	1	1							
EQT245	5034-01, Fixed Roof Tank M-419																	
EQT246	5035-01, Horizontal Tank XC-433																	
EQT247	5036-01, Fixed Roof Tank XC-434																	
EQT248	5037-01, Lab Hood Vent																1	
EQT249	5048-06, Tank Cleaning																	

**AIR PERMIT BRIEFING SHEET
AIR PERMITS DIVISION
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY**

**LOGISTICS I
AGENCY INTEREST NO. 1406
MOTIVA ENTERPRISE LLC, NORCO REFINERY
NORCO, ST. CHARLES PARISH, LOUISIANA**

X. Applicable Louisiana and Federal Air Quality Requirements

ID No.:	Description	LAC 33:III.Chapter																
		5 ▲	9	11	13	15	17	2103	2109	2111	2113	2115	2121	29*	51*	56	59	
EQT250	5049-06, ICE for Emergency & Water			1														
EQT251	7-02, Startup/Shutdown Emissions																	
FUG021	3003-95, Logistics I and II Fugitive Emissions								1				1		1			

KEY TO MATRIX

- 1 - The regulations have applicable requirements which apply to this particular emission source.
 - The emission source may have an exemption from control stated in the regulation. The emission source may not have to be controlled but may have monitoring, recordkeeping, or reporting requirements.
 - 2 - The regulations have applicable requirements which apply to this particular emission source but the source is currently exempt from these requirements due to meeting a specific criteria, such as it has not been constructed, modified or reconstructed since the regulations have been in place. If the specific criteria changes the source will have to comply at a future date.
 - 3 - The regulations apply to this general type of emission source (i.e. vents, furnaces, and fugitives) but do not apply to this particular emission source.
- Blank – The regulations clearly do not apply to this type of emission source.

* The regulations indicated above are State Only regulations.
 ▲ All LAC 33:III.Chapter 5 citations are federally enforceable including LAC 33:III.501.C.6 citations, except when the requirement found in the “Specific Requirements” report specifically states that the regulation is State Only.

**AIR PERMIT BRIEFING SHEET
AIR PERMITS DIVISION
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY**

**LOGISTICS I
AGENCY INTEREST NO. 1406
MOTIVA ENTERPRISE LLC, NORCO REFINERY
NORCO, ST. CHARLES PARISH, LOUISIANA**

X. Applicable Louisiana and Federal Air Quality Requirements

ID No.:	Description	40 CFR 60 NSPS				40 CFR 61				40 CFR 63 NESHAP				40 CFR						
		A	K	Kb	GGG	QQQ	A	M	FF	A	F	G	H	CC	CC	4Zs	64	68	80	82
UNF006	Logistics I	1					1	1	1	1								1		1
ARE024	5058-07, Logistics Wastewater System								1					1						
EQT183	1022-95, Fixed Roof Tank F-470													1						
EQT184	1023-95, Fixed Roof Tank F-471													1						
EQT185	1024-95, Fixed Roof Tank F-472													1						
EQT186	1026-95, Fixed Roof Tank F-474													1						
EQT187	1027-95, Fixed Roof Tank F-475													1						
EQT188	1028-95, Fixed Roof Tank F-505		1											1						
EQT189	1029-95, Fixed Roof Tank F-506		1											1						
EQT190	1030-95, Fixed Roof Tank F-507		1											1						
EQT191	1034-95, Fixed Roof Tank F-432													1						
EQT192	1035-95, Fixed Roof Tank F-490													1						
EQT193	1036-95, Fixed Roof Tank F-504		1											1						
EQT194	1042-95, Fixed Roof Tank F-407													1						

**AIR PERMIT BRIEFING SHEET
AIR PERMITS DIVISION
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY**

**LOGISTICS I
AGENCY INTEREST NO. 1406
MOTIVA ENTERPRISE LLC, NORCO REFINERY
NORCO, ST. CHARLES PARISH, LOUISIANA**

X. Applicable Louisiana and Federal Air Quality Requirements

ID No.:	Description	40 CFR 60 NSPS				40 CFR 61				40 CFR 63 NESHAP				40 CFR								
		A	K	Kb	GGG	QQQ	A	M	FF	A	F	A	F	G	H	CC	4Zs	64	68	80	82	
EQT195	1043-95, Fixed Roof Tank F-425															1						
EQT196	1044-95, Fixed Roof Tank F-450															1						
EQT197	1045-95, Fixed Roof Tank F-451															1						
EQT198	1046-95, Fixed Roof Tank F-453															1						
EQT199	1047-95, Fixed Roof Tank F-454															1						
EQT200	1048-95, Fixed Roof Tank F-510			2												1						
EQT201	1058-95, Fixed Roof Tank H-436															1						
EQT202	1067-95, Fixed Roof Tank F-436															1						
EQT203	1068-95, Fixed Roof Tank F-438															1						
EQT204	1069-95, Fixed Roof Tank F-487															1						
EQT205	1070-95, Fixed Roof Tank F-488															1						
EQT206	1074-95, Fixed Roof Tank F-511			2												1						
EQT207	1075-95, Fixed Roof Tank F-512			2												1						
EQT208	1092-95, Fixed Roof Tank W-416															2						
EQT209	1209-95, External Floating Roof (EFR) Tank W-414															1						

**AIR PERMIT BRIEFING SHEET
AIR PERMITS DIVISION
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY**

**LOGISTICS I
AGENCY INTEREST NO. 1406
MOTIVA ENTERPRISE LLC, NORCO REFINERY
NORCO, ST. CHARLES PARISH, LOUISIANA**

X. Applicable Louisiana and Federal Air Quality Requirements

ID No.:	Description	40 CFR 60 NSPS				40 CFR 63 NESHAP							40 CFR							
		A	K	Kb	GGG	QQ	QQ	A	M	FF	A	F	G	H	CC	4Zs	64	68	80	82
EQT210	1210-95, EFR Tank K-558														1					
EQT211	1214-95, EFR Tank A-412														1					
EQT212	1215-95, EFR Tank A-413														1					
EQT213	1216-95, EFR Tank A-414														1					
EQT214	1217-95, EFR Tank A-415														1					
EQT215	1218-95, EFR Tank A-416														1					
EQT216	1219-95, EFR Tank A-417														1					
EQT217	1220-95, EFR Tank A-418														1					
EQT218	1221-95, EFR Tank A-419														1					
EQT219	1222-95, EFR Tank A-420														1					
EQT220	1223-95, EFR Tank F-468														1					
EQT221	1225-95, EFR Tank F-440														1					
EQT222	1226-95, EFR Tank F-442														1					

**AIR PERMIT BRIEFING SHEET
AIR PERMITS DIVISION
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY**

**LOGISTICS I
AGENCY INTEREST NO. 1406
MOTIVA ENTERPRISE LLC, NORCO REFINERY
NORCO, ST. CHARLES PARISH, LOUISIANA**

X. Applicable Louisiana and Federal Air Quality Requirements

ID No.:	Description	40 CFR 60 NSPS				40 CFR 61				40 CFR 63 NESHAP				40 CFR					
		A	K	Kb	GGG	QQQ	A	M	FF	A	F	G	H	CC	4Zs	64	68	80	82
EQT223	1227-95, EFR Tank F-455																		
EQT224	1228-95, EFR Tank F-456																		
EQT225	1229-95, EFR Tank F-458																		
EQT226	1230-95, Internal Floating Roof Tank F-481																		
EQT227	1234-95, EFR Tank F-441																		
EQT228	1235-95, EFR Tank F-443																		
EQT229	1236-95, EFR Tank F-444																		
EQT230	1237-95, EFR Tank F-457																		
EQT231	1238-95, EFR Tank F-480																		
EQT232	1239-95, EFR Tank F-482																		
EQT233	1241-95, EFR Tank F-463																		
EQT234	1242-95, EFR Tank F-479																		
EQT235	1245-95, EFR Tank F-466																		

**AIR PERMIT BRIEFING SHEET
AIR PERMITS DIVISION
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY**

**LOGISTICS I
AGENCY INTEREST NO. 1406
MOTIVA ENTERPRISE LLC, NORCO REFINERY
NORCO, ST. CHARLES PARISH, LOUISIANA**

X. Applicable Louisiana and Federal Air Quality Requirements

ID No.:	Description	40 CFR 60 NSPS				40 CFR 61				40 CFR 63 NESHAP				40 CFR								
		A	K	Kb	GGG	QQQ	A	M	FF	A	F	A	F	G	H	CC	4Zs	64	68	80	82	
EQT236	1246-95, EFR Tank F-484															1						
EQT237	1247-95, EFR Tank F-493															1						
EQT238	1253-95, EFR Tank F-464															1						
EQT239	1254-95, EFR Tank F-465									1						1						
EQT240	1255-95, EFR Tank F-469															1						
EQT241	1-98, Coke Pile																					
EQT242	2-84, Coker Flare FE-401																					
EQT243	3107-95, Oil/Water Separator																					
EQT244	4-84, HCU Flare FE-301																					
EQT245	5034-01, Fixed Roof Tank M-419																					
EQT246	5035-01, Horizontal Tank XC-433																					
EQT247	5036-01, Fixed Roof Tank XC-434																					
EQT248	5037-01, Lab Hood Vent																					

**AIR PERMIT BRIEFING SHEET
AIR PERMITS DIVISION
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY**

**LOGISTICS I
AGENCY INTEREST NO. 1406
MOTIVA ENTERPRISE LLC, NORCO REFINERY
NORCO, ST. CHARLES PARISH, LOUISIANA**

X. Applicable Louisiana and Federal Air Quality Requirements

ID No.:	Description	40 CFR 60 NSPS			40 CFR 61			40 CFR 63 NESHAP			40 CFR								
		A	K	Kb	GGG	QQQ	A	M	FF	A	F	G	H	CC	4Zs	64	68	80	82
EQ249	5048-06, Tank Cleaning																		
EQ250	5049-06, ICE for Emergency & Water																		
EQ251	7-02, Startup/Shutdown Emissions																		
FUG021	3003-95, Logistics Fugitive Emissions				1					1		1	1						

KEY TO MATRIX

- 1 -The regulations have applicable requirements which apply to this particular emission source.
- 40 The emission source may have an exemption from control stated in the regulation. The emission source may not have to be controlled but may have monitoring, recordkeeping, or reporting requirements.
- 2 -The regulations have applicable requirements which apply to this particular emission source but the source is currently exempt from these requirements due to meeting a specific criteria, such as it has not been constructed, modified or reconstructed since the regulations have been in place. If the specific criteria changes the source will have to comply at a future date.
- 3 -The regulations apply to this general type of emission source (i.e. vents, furnaces, and fugitives) but do not apply to this particular emission source.

Blank – The regulations clearly do not apply to this type of emission source.

**AIR PERMIT BRIEFING SHEET
AIR PERMITS DIVISION
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY**

**LOGISTICS I
AGENCY INTEREST NO. 1406
MOTIVA ENTERPRISE LLC, NORCO REFINERY
NORCO, ST. CHARLES PARISH, LOUISIANA**

XI. Explanation for Exemption Status or Non-Applicability of a Source

ID No:	Requirement	Status	Citation	Explanation
Unit Wide	Compliance Assurance Monitoring	Does not apply	40 CFR 64	Emission sources do not emit more than 100 tons without controls
EQT200, EQT206 and EQT207 Fixed Roof Tanks (F-510, F-511 and F-512) 1048-95, 1074-95 and 1075-95	NSPS, Subpart Kb	Does not apply	40 CFR 60.110b	The maximum true vapor pressure is less than 0.5 psia
EQT199 thru EQT209 Fixed Roof Tank 1046-95 thru, 1048-95, 1058-95, 1067-95 thru 1070-95, 1074-95, 1075-95, 1092-95, 1209-95, and 1210-95	Storage of Volatile Organic Compounds	Does not apply	LAC 33:III.2103.A	The maximum true vapor pressure is less than 1.5 psia
EQT208 Fixed Roof Tank (W-416) 1092-95	NESHAP, Subpart CC – Petroleum Refineries, Storage Vessels	Does not apply	40 CFR 63.641	Does not meet the definition of a storage vessel
EQT243 Oil/Water Separator 3107-95	Control of Organic Compounds – Oil/Water - Separation	Exempt	LAC 33:III.2109.B.4	Emits less than 100 tons per year of regulated hydrocarbons

The above table provides explanation for both the exemption status or non-applicability of a source cited by 2 or 3 in the matrix presented in Section X of this permit

40 CFR PART 70 GENERAL CONDITIONS

- A. The term of this permit shall be five (5) years from date of issuance. An application for a renewal of this 40 CFR Part 70 permit shall be submitted to the administrative authority no later than six months prior to the permit expiration date. Should a complete permit application not be submitted six months prior to the permit expiration date, a facility's right to operate is terminated pursuant to 40 CFR Section 70.7(c)(ii). Operation may continue under the conditions of this permit during the period of the review of the application for renewal. [LAC 33:III.507.E.1, E.3, E.4, reference 40 CFR 70.6(a)(2)]
- B. The conditions of this permit are severable; and if any provision of this permit or the application of any provision of this permit to any circumstance is held invalid, the application of such provision to other circumstances, and the remainder of this permit, shall not be affected thereby. [Reference 40 CFR 70.6(a)(5)]
- C. Permittee shall comply with all conditions of the 40 CFR Part 70 permit. Any permit noncompliance constitutes a violation of the Clean Air Act and is grounds for enforcement action; for permit termination, revocation and reissuance, or modification; or for denial of a permit renewal application. This permit may be modified, revoked, reopened and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any permit condition. [LAC 33:III.507.B.2, reference 40 CFR 70.6(a)(6)(i) & (ii)]
- D. It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit. [Reference 40 CFR 70.6(a)(6)(ii)]
- E. This permit does not convey any property rights of any sort, or an exclusive privilege. [Reference 40 CFR 70.6(a)(6)(iv)]
- F. The permittee shall furnish to the permitting authority, within a reasonable time, any information that the permitting authority may request in writing to determine whether cause exists for modifying, revoking, and reissuing, or terminating the permit or to determine compliance with the permit. Upon request, the permittee shall also furnish to the permitting authority copies of records required to be kept by the permit or, for information claimed to be confidential, the permittee may furnish such records directly to the Administrator along with a claim of confidentiality. A claim of confidentiality does not relieve the permittee of the requirement to provide the information. [LAC 33:III.507.B.2, 517.F, reference 40 CFR 70.6(a)(6)(v)]
- G. Permittee shall pay fees in accordance with LAC 33:III.Chapter 2 and 40 CFR Section 70.6(a)(7). [LAC 33:III.501.C.2, reference 40 CFR 70.6(a)(7)]
- H. Upon presentation of credentials and other documents as may be required by law, the permittee shall allow the permitting authority or authorized representative to perform the following:
1. enter upon the permittee's premises where a 40 CFR Part 70 source is located or emission-related activity is conducted, or where records must be kept under the conditions of the permit [LAC 33:III.507.H.2, reference 40 CFR 70.6(c)(2)(i)];
 2. have access to and copy, at reasonable times, any records that must be kept under the conditions of the permit [LAC 33:III.507.H.2, reference 40 CFR 70.6(c)(2)(ii)];

40 CFR PART 70 GENERAL CONDITIONS

- 3. inspect at reasonable times any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under the permit [LAC 33:III.507.H.2, reference 40 CFR 70.6(c)(2)(iii)]; and
 - 4. as authorized by the Clean Air Act, sample or monitor at reasonable times substances or parameters for the purpose of assuring compliance with the permit or applicable requirements. [LAC 33:III.507.H.2, reference 40 CFR 70.6(c)(2)(iv)]
- I. All required monitoring data and supporting information shall be kept available for inspection at the facility or alternate location approved by the agency for a period of at least five (5) years from the date of the monitoring sample, measurement, report, or application. Supporting information includes calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and all reports required by the permit. [Reference 40 CFR 70.6(a)(3)(ii)(B)]
- J. Records of required monitoring shall include the following:
- 1. the date, place as defined in the permit, and time of sampling or measurements;
 - 2. the date(s) analyses were performed;
 - 3. the company or entity that performed the analyses;
 - 4. the analytical techniques or methods used;
 - 5. the results of such analyses; and
 - 6. the operating conditions as existing at the time of sampling or measurement.
- [Reference 40 CFR 70.6(a)(3)(ii)(A)]
- K. Permittee shall submit at least semiannually, reports of any required monitoring, clearly identifying all instances of deviations from permitted monitoring requirements, certified by a responsible company official. For previously reported deviations, in lieu of attaching the individual deviation reports, the semiannual report may clearly reference the communication(s)/correspondence(s) constituting the prior report, including the date the prior report was submitted. The semiannual reports shall be submitted to the Office of Environmental Compliance, Enforcement Division by March 31 for the preceding period encompassing July through December and September 30 for the preceding period encompassing January through June. Any quarterly deviation report required to be submitted by March 31 or September 30 in accordance with Part 70 General Condition R may be consolidated with the semi-annual reports required by this general condition as long as the report clearly indicates this and all required information is included and clearly delineated in the consolidated report. [LAC 33:III.507.H, reference 40 CFR 70.6(a)(3)(iii)(A)]
- L. The permittee shall submit at least semiannual reports on the status of compliance pursuant to 40 CFR Section 70.5 (c) (8) and a progress report on any applicable schedule of compliance pursuant to 40 CFR Section 70.6 (c) (4). [LAC 33:III.507.H.1, reference 40 CFR 70.6(c)(4)]
- M. Compliance certifications per LAC 33:III.507.H.5 shall be submitted to the Administrator as well as the permitting authority. For previously reported compliance deviations, in lieu of attaching the individual deviation reports, the annual report may clearly reference the communication(s)/correspondence(s) constituting the prior report, including the date the prior report was submitted. The compliance certifications shall be submitted to the Office of

40 CFR PART 70 GENERAL CONDITIONS

Environmental Compliance, Enforcement Division by March 31 for the preceding calendar year. [LAC 33:III.507.H.5, reference 40 CFR 70.6(c)(5)(iv)]

- N. If the permittee seeks to reserve a claim of an affirmative defense as provided in LAC 33:III.507.J.2, the permittee shall, in addition to any emergency or upset provisions in any applicable regulation, notify the permitting authority within 2 working days of the time when emission limitations were exceeded due to the occurrence of an upset. In the event of an upset, as defined under LAC 33:III.507.J, which results in excess emissions, the permittee shall demonstrate through properly signed, contemporaneous operating logs, or other relevant evidence that: 1) an emergency occurred and the cause was identified; 2) the permitted facility was being operated properly at the time; and 3) during the emergency the permittee took all reasonable steps to minimize levels of emissions that exceeded the emission standard or requirement of the permit. [LAC 33:III.507.J.2, reference 40 CFR 70.6(g)(3)(iv) & (i-iii)]
- O. Permittee shall maintain emissions at a level less than or equal to that provided for under the allowances that the 40 CFR Part 70 source lawfully holds under Title IV of the Clean Air Act or the regulations promulgated thereunder. No permit revision shall be required for increases in emissions that are authorized by allowances acquired pursuant to the acid rain program, provided that such increases do not require a permit revision under any other applicable requirement. No limit shall be placed on the number of allowances held by the source. The source may not, however, use allowances as a defense to noncompliance with any other applicable requirement. Any such allowance shall be accounted for according to the procedures established in regulations promulgated under Title IV of the Clean Air Act. [Reference 40 CFR 70.6(a)(4)]
- P. Any permit issued pursuant to 40 CFR Part 70 may be subject to reopening prior to the expiration of the permit for any of the conditions specified in 40 CFR Section 70.7(f) or LAC 33:III.529. [LAC 33:III.529.A-B, reference 40 CFR 70.7(f)]
- Q. Permittee may request an administrative amendment to the permit to incorporate test results from compliance testing if the following criteria are met:
1. the changes are a result of tests performed upon start-up of newly constructed, installed, or modified equipment or operations;
 2. increases in permitted emissions will not exceed five tons per year for any regulated pollutant;
 3. increases in permitted emissions of Louisiana toxic air pollutants or of federal hazardous air pollutants would not constitute a modification under LAC 33:III. Chapter 51 or under Section 112 (g) of the Clean Air Act;
 4. changes in emissions would not require new source review for prevention of significant deterioration or nonattainment and would not trigger the applicability of any federally applicable requirement;
 5. changes in emissions would not qualify as a significant modification; and
 6. the request is submitted no later than 12 months after commencing operation. [LAC 33:III.523.A, reference 40 CFR 70.7(d)]

40 CFR PART 70 GENERAL CONDITIONS

- R. Permittee shall submit prompt reports of all permit deviations as specified below to the Office of Environmental Compliance, Enforcement Division. All such reports shall be certified by a responsible official in accordance with 40 CFR 70.5(d).
1. A written report shall be submitted within 7 days of any emission in excess of permit requirements by an amount greater than the Reportable Quantity established for that pollutant in LAC 33.I.Chapter 39.
 2. A written report shall be submitted within 7 days of the initial occurrence of any emission in excess of permit requirements, regardless of the amount, where such emission occurs over a period of seven days or longer.
 3. A written report shall be submitted quarterly to address all permit deviations not included in paragraphs 1 or 2 above. Unless required by an applicable reporting requirement, a written report is not required during periods in which there is no deviation. The quarterly deviation reports submitted on March 31 and September 30 may be consolidated with the semi-annual reports required by Part 70 General Condition K as long as the report clearly indicates this and all required information is included and clearly delineated in the consolidated report. For previously reported permit deviations, in lieu of attaching the individual deviation reports, the quarterly report may clearly reference the communication(s)/correspondence(s) constituting the prior report, including the date the prior report was submitted. The schedule for submittal of quarterly reports shall be no later than the dates specified below for any permit deviations occurring during the corresponding specified calendar quarter:
 - a. Report by June 30 to cover January through March
 - b. Report by September 30 to cover April through June
 - c. Report by December 31 to cover July through September
 - d. Report by March 31 to cover October through December
 4. Any written report submitted in advance of the timeframes specified above, in accordance with an applicable regulation, may serve to meet the reporting requirements of this condition provided such reports are certified in accordance with 40 CFR 70.5(d) and contain all information relevant to the permit deviation. Reporting under this condition does not relieve the permittee from the reporting requirements of any applicable regulation, including LAC 33.I.Chapter 39, LAC 33.III.Chapter 9, and LAC 33.III.5107. [Reference 40 CFR 70.6(a)(3)(iii)(B)]
- S. Permittee shall continue to comply with applicable requirements on a timely basis, and will meet on a timely basis applicable requirements that become effective during the permit term. [Reference 40 CFR 70.5(c)(8)(iii)]
- T. The permittee shall comply with the standards for recycling and emissions reduction pursuant to 40 CFR Part 82, Subpart F, except as provided for Motor Vehicle Air Conditioners (MVACs) in Subpart B:
1. Persons opening appliances for maintenance, service, repair, or disposal must comply with the required practices pursuant to 40 CFR 82.156;

40 CFR PART 70 GENERAL CONDITIONS

2. Equipment used during the maintenance, service, repair, or disposal of appliances must comply with the standards for recycling and recovery equipment pursuant to 40 CFR 82.158;
 3. Persons performing maintenance, service, repair, or disposal of appliances must be certified by an approved technician certification program pursuant to 40 CFR 82.161;
 4. Persons disposing of small appliances, MVACs, and MVAC-like appliances must comply with recordkeeping requirements pursuant to 40 CFR 82.166. ("MVAC-like appliance" as defined at 40 CFR 82.152);
 5. Persons owning commercial or industrial process refrigeration equipment must comply with the leak repair requirements pursuant to 40 CFR 82.156; and
 6. Owners/operators of appliances normally containing 50 or more pounds of refrigerant must keep records of refrigerant purchased and added to such appliances pursuant to 40 CFR 82.166. [Reference 40 CFR 82, Subpart F]
- U. If the permittee performs a service on motor (fleet) vehicles when this service involves ozone-depleting substance refrigerant (or regulated substitute substance) in the motor vehicle air conditioner (MVAC), the permittee is subject to all the applicable requirements as specified in 40 CFR Part 82, Subpart B, Servicing of Motor Vehicle Air Conditioners.
- The term "motor vehicle" as used in Subpart B does not include a vehicle in which final assembly of the vehicle has not been completed. The term "MVAC" as used in Subpart B does not include the air-tight sealed refrigeration system used as refrigerated cargo, or system used on passenger buses using HCFC-22 refrigerant. [Reference 40 CFR 82, Subpart B]
- V. Data availability for continuous monitoring or monitoring to collect data at specific intervals: Except for monitoring malfunctions, associated repairs, and required quality assurance or control activities (including calibration checks and required zero and span adjustments), the permittee shall conduct all monitoring in continuous operation (or shall collect data at all required intervals) at all times that the emissions unit is operating. For purposes of reporting monitoring deviations under Part 70 General Conditions K and R, and unless otherwise provided for in the Specific Requirements (or Table 3) of this permit, the minimum degree of data availability shall be at least 90% (based on a monthly average) of the operating time of the emissions unit or activity being monitored. This condition does not apply to Leak Detection and Repair (LDAR) programs for fugitive emissions (e.g., 40 CFR 60 Subpart VV, 40 CFR 63 Subpart H).

**LOUISIANA AIR EMISSIONS PERMIT
GENERAL CONDITIONS**

- I. This permit is issued on the basis of the emissions reported in the application for approval of emissions and in no way guarantees that the design scheme presented will be capable of controlling the emissions to the type and quantities stated. Failure to install, properly operate and/or maintain all proposed control measures and/or equipment as specified in the application and supplemental information shall be considered a violation of the permit and LAC 33:III.501. If the emissions are determined to be greater than those allowed by the permit (e.g. during the shakedown period for new or modified equipment) or if proposed control measures and/or equipment are not installed or do not perform according to design efficiency, an application to modify the permit must be submitted. All terms and conditions of this permit shall remain in effect unless and until revised by the permitting authority.

- II. The permittee is subject to all applicable provisions of the Louisiana Air Quality Regulations. Violation of the terms and conditions of the permit constitutes a violation of these regulations.

- III. The Emission Rates for Criteria Pollutants, Emission Rates for TAP/HAP & Other Pollutants, and Specific Requirements sections or, where included, Emission Inventory Questionnaire sheets establish the emission limitations and are a part of the permit. Any operating limitations are noted in the Specific Requirements or, where included, Tables 2 and 3 of the permit. The synopsis is based on the application and Emission Inventory Questionnaire (EIQ) submitted in August 2002; updated and modified application and EIQ dated February 16, 2007; an addendum dated July 27, 2007; as well as additional information as of September 14, 2007.

- IV. This permit shall become invalid, for the sources not constructed, if:
 - A. Construction is not commenced, or binding agreements or contractual obligations to undertake a program of construction of the project are not entered into, within two (2) years (18 months for PSD permits) after issuance of this permit, or;
 - B. If construction is discontinued for a period of two (2) years (18 months for PSD permits) or more.

The administrative authority may extend this time period upon a satisfactory showing that an extension is justified.

This provision does not apply to the time period between construction of the approved phases of a phased construction project. However, each phase must commence construction within two (2) years (18 months for PSD permits) of its projected and approved commencement date.

- V. The permittee shall submit semiannual reports of progress outlining the status of construction, noting any design changes, modifications or alterations in the construction schedule which have or may have an effect on the emission rates or ambient air quality levels. These reports shall continue to be submitted until such time as construction is certified as being complete. Furthermore, for any significant change in the design, prior approval shall be obtained from the Office of Environmental Services, Air Permits Division.

- VI. The permittee shall notify the Department of Environmental Quality, Office of Environmental Services, Air Permits Division within ten (10) calendar days from the date that construction is

LOUISIANA AIR EMISSIONS PERMIT GENERAL CONDITIONS

certified as complete and the estimated date of start-up of operation. The appropriate Regional Office shall also be so notified within the same time frame.

- VII. Any emissions testing performed for purposes of demonstrating compliance with the limitations set forth in paragraph III shall be conducted in accordance with the methods described in the Specific Conditions and, where included, Tables 1, 2, 3, 4, and 5 of this permit. Any deviation from or modification of the methods used for testing shall have prior approval from the Office of Environmental Assessment, Air Quality Assessment Division.
- VIII. The emission testing described in paragraph VII above, or established in the specific conditions of this permit, shall be conducted within sixty (60) days after achieving normal production rate or after the end of the shakedown period, but in no event later than 180 days after initial start-up (or restart-up after modification). The Office of Environmental Assessment, Air Quality Assessment Division shall be notified at least (30) days prior to testing and shall be given the opportunity to conduct a pretest meeting and observe the emission testing. The test results shall be submitted to the Air Quality Assessment Division within sixty (60) days after the complete testing. As required by LAC 33:III.913, the permittee shall provide necessary sampling ports in stacks or ducts and such other safe and proper sampling and testing facilities for proper determination of the emission limits.
- IX. The permittee shall, within 180 days after start-up and shakedown of each project or unit, report to the Office of Environmental Compliance, Enforcement Division any significant difference in operating emission rates as compared to those limitations specified in paragraph III. This report shall also include, but not be limited to, malfunctions and upsets. A permit modification shall be submitted, if necessary, as required in Condition I.
- X. The permittee shall retain records of all information resulting from monitoring activities and information indicating operating parameters as specified in the specific conditions of this permit for a minimum of at least five (5) years.
- XI. If for any reason the permittee does not comply with, or will not be able to comply with, the emission limitations specified in this permit, the permittee shall provide the Office of Environmental Compliance, Enforcement Division with a written report as specified below.
- A. A written report shall be submitted within 7 days of any emission in excess of permit requirements by an amount greater than the Reportable Quantity established for that pollutant in LAC 33.I.Chapter 39.
 - B. A written report shall be submitted within 7 days of the initial occurrence of any emission in excess of permit requirements, regardless of the amount, where such emission occurs over a period of seven days or longer.
 - C. A written report shall be submitted quarterly to address all emission limitation exceedances not included in paragraphs A or B above. The schedule for submittal of quarterly reports shall be no later than the dates specified below for any emission limitation exceedances occurring during the corresponding specified calendar quarter:

**LOUISIANA AIR EMISSIONS PERMIT
GENERAL CONDITIONS**

1. Report by June 30 to cover January through March
2. Report by September 30 to cover April through June
3. Report by December 31 to cover July through September
4. Report by March 31 to cover October through December

D. Each report submitted in accordance with this condition shall contain the following information:

1. Description of noncomplying emission(s);
2. Cause of noncompliance;
3. Anticipated time the noncompliance is expected to continue, or if corrected, the duration of the period of noncompliance;
4. Steps taken by the permittee to reduce and eliminate the noncomplying emissions; and
5. Steps taken by the permittee to prevent recurrences of the noncomplying emissions.

E. Any written report submitted in advance of the timeframes specified above, in accordance with an applicable regulation, may serve to meet the reporting requirements of this condition provided all information specified above is included. For Part 70 sources, reports submitted in accordance with Part 70 General Condition R shall serve to meet the requirements of this condition provided all specified information is included. Reporting under this condition does not relieve the permittee from the reporting requirements of any applicable regulation, including LAC 33.I.Chapter 39, LAC 33.III.Chapter 9, and LAC 33.III.5107.

XII. Permittee shall allow the authorized officers and employees of the Department of Environmental Quality, at all reasonable times and upon presentation of identification, to:

- A. Enter upon the permittee's premises where regulated facilities are located, regulated activities are conducted or where records required under this permit are kept;
- B. Have access to and copy any records that are required to be kept under the terms and conditions of this permit, the Louisiana Air Quality Regulations, or the Act;
- C. Inspect any facilities, equipment (including monitoring methods and an operation and maintenance inspection), or operations regulated under this permit; and
- D. Sample or monitor, for the purpose of assuring compliance with this permit or as otherwise authorized by the Act or regulations adopted thereunder, any substances or parameters at any location.

XIII. If samples are taken under Section XII.D. above, the officer or employee obtaining such samples shall give the owner, operator or agent in charge a receipt describing the sample obtained. If requested prior to leaving the premises, a portion of each sample equal in volume or weight to the portion retained shall be given to the owner, operator or agent in charge. If an analysis is made of such samples, a copy of the analysis shall be furnished promptly to the owner, operator or agency in charge.

**LOUISIANA AIR EMISSIONS PERMIT
GENERAL CONDITIONS**

- XIV. The permittee shall allow authorized officers and employees of the Department of Environmental Quality, upon presentation of identification, to enter upon the permittee's premises to investigate potential or alleged violations of the Act or the rules and regulations adopted thereunder. In such investigations, the permittee shall be notified at the time entrance is requested of the nature of the suspected violation. Inspections under this subsection shall be limited to the aspects of alleged violations. However, this shall not in any way preclude prosecution of all violations found.
- XV. The permittee shall comply with the reporting requirements specified under LAC 33:III.919 as well as notification requirements specified under LAC 33:III.927.
- XVI. In the event of any change in ownership of the source described in this permit, the permittee and the succeeding owner shall notify the Office of Environmental Services, Air Permits Division, within ninety (90) days after the event, to amend this permit.
- XVII. Very small emissions to the air resulting from routine operations, that are predictable, expected, periodic, and quantifiable and that are submitted by the permitted facility and approved by the Air Permits Division are considered authorized discharges. Approved activities are noted in the General Condition XVII Activities List of this permit. To be approved as an authorized discharge, these very small releases must:
1. Generally be less than 5 TPY
 2. Be less than the minimum emission rate (MER)
 3. Be scheduled daily, weekly, monthly, etc., or
 4. Be necessary prior to plant startup or after shutdown [line or compressor pressuring/depressuring for example]
- These releases are not included in the permit totals because they are small and will have an insignificant impact on air quality. This general condition does not authorize the maintenance of a nuisance, or a danger to public health and safety. The permitted facility must comply with all applicable requirements, including release reporting under LAC 33:I.3901.
- XVIII. Provisions of this permit may be appealed in writing pursuant to La. R.S. 30:2024(A) within 30 days from receipt of the permit. Only those provisions specifically appealed will be suspended by a request for hearing, unless the secretary or the assistant secretary elects to suspend other provisions as well. Construction cannot proceed except as specifically approved by the secretary or assistant secretary. A request for hearing must be sent to the following:
- Attention: Office of the Secretary, Legal Services Division
La. Dept. of Environmental Quality
Post Office Box 4302
Baton Rouge, Louisiana 70821-4302
- XIX. Certain Part 70 general conditions may duplicate or conflict with state general conditions. To the extent that any Part 70 conditions conflict with state general conditions, then the Part 70 general conditions control. To the extent that any Part 70 general conditions duplicate any state general conditions, then such state and Part 70 provisions will be enforced as if there is only one condition rather than two conditions.

General Information

AI ID: 1406 Motiva Enterprises LLC - Norco Refinery
Activity Number: PER20020014
Permit Number: 2913-V0
Air - Title V Regular Permit Renewal

Also Known As:

ID	Name	User Group	Start Date
2520-00002	Motiva Enterprises LLC - Norco Refinery	CDS Number	05-27-1993
2520-0002	Motiva Enterprises LLC - Norco Refinery	Emission Inventory	03-03-2004
13-1299890	Federal Tax Id	Federal Tax ID	11-20-1999
72-0262490	Federal Tax ID #	Federal Tax ID	01-08-2001
76-0489497	Shell Norco Refining Co	Federal Tax ID	07-23-2002
76-0567102	Federal Tax Identification Number	Federal Tax ID	11-21-1999
LAD008186579	Motiva Enterprises LLC - Norco Refinery	Hazardous Waste Notification	08-18-1980
CA	GPRA Baselines	Hazardous Waste Permitting	10-01-1997
LAD008186579	Inactive	Inactive & Abandoned Sites	11-01-1979
LA0003522	WPC File Number	LPDES Permit #	06-25-2003
WP0512	WPC State Permit Number	LWDPS Permit #	06-25-2003
LA-2176-L01	Priority 1 Emergency Site	Priority 1 Emergency Site	07-18-2006
2176	Radioactive Material License	Radiation License Number	10-24-2001
GD-089-0359	X-Ray Registration Number	Radiation X-ray Registration Number	11-21-1999
GPD-089-2265	Site ID #	Solid Waste Facility No.	08-17-2001
100456	Site ID #	Solid Waste Facility No.	08-17-2001
17667	Shell Norco Refining Co	TEMPO Merge	01-27-2005
19277	Shell Oil Co - Norco Manufacturing Complex Refinery	TEMPO Merge	02-21-2001
33125	Motiva Enterprises - Norco Refinery	TEMPO Merge	02-21-2001
34615	Motiva Enterprises LLC/Shell Oil Co/Norco Refinery	TEMPO Merge	04-29-2001
37398	Motiva Enterprises LLC - Norco Refining Plant	TEMPO Merge	02-21-2001
38782	Shell Oil Co Norco	TEMPO Merge	07-05-2001
45019	Motiva Norco Refining Co	TEMPO Merge	05-02-2001
47233	Shell Oil Co - Norco Manufacturing Complex	TEMPO Merge	02-21-2001
71559	Shell Oil Co - Norco Refinery - Motiva LLC Norco Refinery	TEMPO Merge	02-21-2001
70079MTVNR15536	Norco Refinery	TEMPO Merge	02-21-2001
45-000831	Toxic Emissions Data Inventory #	Toxic Emissions Data Inventory #	01-01-1991
45-000831	TRI #	Toxic Release Inventory	07-13-2004
WP0512	Ust Facility Id Number	UST FID #	09-10-1999
	UST Facility ID (from UST legacy data)	UST FID #	10-12-2002
	WPC State Permit Number	Water Permitting	11-21-1999

Physical Location:
 15536 River Rd
 (a portion of)

Main FAX: 5044656360

General Information

AI ID: 1406 Motiva Enterprises LLC - Norco Refinery
Activity Number: PER20020014
Permit Number: 2913-V0
Air - Title V Regular Permit Renewal

Main Phone: 5044657609

Norco, LA 70079

Mailing Address:
 PO Box 10
 Norco, LA 700790010

Location of Front Gate: 29° 59' 43" 34 hundredths latitude, 90° 24' 36" 6 hundredths longitude, Coordinate Method: GPS Code (Pseudo Range) Differential, Coordinate Datum: NAD83

Name	Mailing Address	Phone (Type)	Relationship
Oliver Boyd	PO Box 10 Norco, LA 700790010	5044656315 (WP)	Water Permit Contact For
Oliver Boyd	PO Box 10 Norco, LA 700790010	5044656315 (WP)	Water Billing Party for
Keith Casey		5042747762 (WP)	Katrina Response Contact for
W. Caughman		5044417558 (WP)	Employed by
Herschel Craven			Accident Prevention Contact for
William Cupp	3433 Hwy 190 Ste 342 Mandeville, LA 70448	9852647477 (WP)	Employed by
William Cupp	3433 Hwy 190 Ste 342 Mandeville, LA 70448	9852647477 (WP)	Underground Storage Tank Contact for
F. Foster			Employed by
Fred Goodson	PO Box 10 Norco, LA 700790010	5044657609 (WP)	Employed by
Fred Goodson	PO Box 10 Norco, LA 700790010	5044657609 (WP)	Solid Waste Billing Party for
Fred Goodson	PO Box 10 Norco, LA 700790010	5044657609 (WP)	Haz. Waste Billing Party for
Robert Hastings		5044656274 (WP)	Employed by
R. Jacoby		5044657678 (WP)	Employed by
R. Kuehn		5044657401 (WP)	Employed by
William Marquis	15536 River Rd Norco, LA 70079	5044657994 (WP)	Radiation Safety Officer for
William Marquis	15536 River Rd Norco, LA 70079	5044156470 (CP)	Accident Prevention Billing Party for
William Marquis	15536 River Rd Norco, LA 70079	5044656729 (WF)	Accident Prevention Billing Party for
William Marquis	15536 River Rd Norco, LA 70079	5044657994 (WP)	Accident Prevention Billing Party for
William Marquis	15536 River Rd Norco, LA 70079	bill.marquis@motiva	Radiation Contact For
William Marquis	15536 River Rd Norco, LA 70079	5044156470 (CP)	Radiation Contact For
William Marquis	15536 River Rd Norco, LA 70079	5044656729 (WF)	Radiation Contact For
William Marquis	15536 River Rd Norco, LA 70079	5044657994 (WP)	Radiation Contact For
William Marquis	15536 River Rd Norco, LA 70079	5044656729 (WF)	Radiation Safety Officer for
William Marquis	15536 River Rd Norco, LA 70079	5044156470 (CP)	Radiation Safety Officer for
William Marquis	15536 River Rd Norco, LA 70079	bill.marquis@motiva	Accident Prevention Billing Party for
William Marquis	15536 River Rd Norco, LA 70079	bill.marquis@motiva	Radiation Safety Officer for
Kirk Menard	15536 River Rd Norco, LA 70079	5044657202 (WP)	Employed by
Kirk Menard	15536 River Rd Norco, LA 70079	5044657202 (WP)	Hazardous Waste Permit Contact For
Philip Snyder		5044657220 (WP)	Employed by
R. Terbonne		5044657093 (WP)	Employed by
Rene' Thoulion	PO Box 10 Norco, LA 70079	RENE.THOUJLION@	Emission Inventory Contact for
Rene' Thoulion	PO Box 10 Norco, LA 70079	5044657264 (WP)	Emission Inventory Contact for

General Information

AI ID: 1406 Motiva Enterprises LLC - Norco Refinery
Activity Number: PER20020014
Permit Number: 2913-V0
Air - Title V Regular Permit Renewal

Related Organizations:	Name	Address	Phone (Type)	Relationship
	Motiva Enterprises LLC	PO Box 10 Norco, LA 700790010	5044657871 (WP)	Air Billing Party for
	Motiva Enterprises LLC	13258 FM 1960 W Houston, TX 77065	7132416147 (WP)	UST Billing Party for
	Motiva Enterprises LLC	13258 FM 1960 W Houston, TX 77065	7132416147 (WP)	Owns
	Shell Norco Refinery - Motiva	15536 River Rd Norco, LA 70079		Radiation License Billing Party for
	Shell Norco Refinery - Motiva	Invoice Processing Convent, LA 70723		Radiation Registration Billing Party for

Note: This report entitled "General Information" contains a summary of facility-level information contained in LDEQ's TEMPO database for this facility and is not considered a part of the permit. Please review the information contained in this document for accuracy and completeness. If any changes are required or if you have questions regarding this document, you may contact Mr. David Ferrand, Environmental Assistance Division, at (225) 219-3247 or email your changes to facupdate@la.gov.

INVENTORIES

AI ID: 1406 - Motiva Enterprises LLC - Norco Refinery

Activity Number: PER20020014

Permit Number: 2913-V0

Air - Title V Regular Permit Renewal

Subject Item Inventory:

ID	Description	Tank Volume	Max. Operating Rate	Normal Operating Rate	Contents	Operating Time
Logistics I						
ARE0024	5058-07 - Logistics Wastewater System					8760 hr/yr (All Year)
EQT0183	1022-95 - Fixed Roof Tank F-470	4.43 million gallons				8760 hr/yr (All Year)
EQT0184	1023-95 - Fixed Roof Tank F-471	4.43 million gallons				8760 hr/yr (All Year)
EQT0185	1024-95 - Fixed Roof Tank F-472	4.43 million gallons				8760 hr/yr (All Year)
EQT0186	1026-95 - Fixed Roof Tank F-474	4.43 million gallons				8760 hr/yr (All Year)
EQT0187	1027-95 - Fixed Roof Tank F-475	4.45 million gallons				8760 hr/yr (All Year)
EQT0188	1028-95 - Fixed Roof Tank F-505	6.16 million gallons				8760 hr/yr (All Year)
EQT0189	1029-95 - Fixed Roof Tank F-506	6.16 million gallons				8760 hr/yr (All Year)
EQT0190	1030-95 - Fixed Roof Tank F-507	6.16 million gallons				8760 hr/yr (All Year)
EQT0191	1034-95 - Fixed Roof Tank F-432	3.09 million gallons				8760 hr/yr (All Year)
EQT0192	1035-95 - Fixed Roof Tank F-490	4.81 million gallons				8760 hr/yr (All Year)
EQT0193	1036-95 - Fixed Roof Tank F-504	12.44 million gallons				8760 hr/yr (All Year)
EQT0194	1042-95 - Fixed Roof Tank F-407	2.18 million gallons				8760 hr/yr (All Year)
EQT0195	1043-95 - Fixed Roof Tank F-425	592280 gallons				8760 hr/yr (All Year)
EQT0196	1044-95 - Fixed Roof Tank F-450	4.49 million gallons				8760 hr/yr (All Year)
EQT0197	1045-95 - Fixed Roof Tank F-451	4.43 million gallons				8760 hr/yr (All Year)
EQT0198	1046-95 - Fixed Roof Tank F-453	5.57 million gallons				8760 hr/yr (All Year)
EQT0199	1047-95 - Fixed Roof Tank F-454	5.87 million gallons				8760 hr/yr (All Year)
EQT0200	1048-95 - Fixed Roof Tank F-510	6.02 million gallons				8760 hr/yr (All Year)
EQT0201	1058-95 - Fixed Roof Tank H-436	1.88 million gallons				8760 hr/yr (All Year)
EQT0202	1067-95 - Fixed Roof Tank F-436	3.56 million gallons				8760 hr/yr (All Year)
EQT0203	1068-95 - Fixed Roof Tank F-438	8.53 million gallons				8760 hr/yr (All Year)
EQT0204	1069-95 - Fixed Roof Tank F-487	11.38 million gallons				8760 hr/yr (All Year)
EQT0205	1070-95 - Fixed Roof Tank F-488	11.38 million gallons				8760 hr/yr (All Year)

INVENTORIES

AI ID: 1406 - Motiva Enterprises LLC - Norco Refinery
Activity Number: PER20020014
Permit Number: 2913-V0
Air - Title V Regular Permit Renewal

Subject Item Inventory:

ID	Description	Tank Volume	Max. Operating Rate	Normal Operating Rate	Contents	Operating Time
Logistics I						
EQT0206	1074-95 - Fixed Roof Tank F-511	7.62 million gallons				8760 hr/yr (All Year)
EQT0207	1075-95 - Fixed Roof Tank F-512	7.62 million gallons				8760 hr/yr (All Year)
EQT0208	1092-95 - Fixed Roof Tank W-416	21285 gallons				8760 hr/yr (All Year)
EQT0209	1209-95 - External Floating Roof Tank W-414	1.23 million gallons				8760 hr/yr (All Year)
EQT0210	1210-95 - External Floating Roof Tank K-558	67674 gallons				8760 hr/yr (All Year)
EQT0211	1214-95 - External Floating Roof Tank A-412	8.27 million gallons				8760 hr/yr (All Year)
EQT0212	1215-95 - External Floating Roof Tank A-413	8.27 million gallons				8760 hr/yr (All Year)
EQT0213	1216-95 - External Floating Roof Tank A-414	8.27 million gallons				8760 hr/yr (All Year)
EQT0214	1217-95 - External Floating Roof Tank A-415	8.27 million gallons				8760 hr/yr (All Year)
EQT0215	1218-95 - External Floating Roof Tank A-416	8.27 million gallons				8760 hr/yr (All Year)
EQT0216	1219-95 - External Floating Roof Tank A-417	8.27 million gallons				8760 hr/yr (All Year)
EQT0217	1220-95 - External Floating Roof Tank A-418	12.36 million gallons				8760 hr/yr (All Year)
EQT0218	1221-95 - External Floating Roof Tank A-419	12.36 million gallons				8760 hr/yr (All Year)
EQT0219	1222-95 - External Floating Roof Tank A-420	13.74 million gallons				8760 hr/yr (All Year)
EQT0220	1223-95 - External Floating Roof Tank F-468	5.01 million gallons				8760 hr/yr (All Year)
EQT0221	1225-95 - External Floating Roof Tank F-440	6.54 million gallons				8760 hr/yr (All Year)
EQT0222	1226-95 - External Floating Roof Tank F-442	6.54 million gallons				8760 hr/yr (All Year)
EQT0223	1227-95 - External Floating Roof Tank F-455	3.7 million gallons				8760 hr/yr (All Year)
EQT0224	1228-95 - External Floating Roof Tank F-456	3.7 million gallons				8760 hr/yr (All Year)
EQT0225	1229-95 - External Floating Roof Tank F-458	3.7 million gallons				8760 hr/yr (All Year)
EQT0226	1230-95 - Internal Floating Roof Tank F-481	2.84 million gallons				8760 hr/yr (All Year)
EQT0227	1234-95 - External Floating Roof Tank F-441	6.54 million gallons				8760 hr/yr (All Year)
EQT0228	1235-95 - External Floating Roof Tank F-443	6.54 million gallons				8760 hr/yr (All Year)
EQT0229	1236-95 - External Floating Roof Tank F-444	6.54 million gallons				8760 hr/yr (All Year)
EQT0230	1237-95 - External Floating Roof Tank F-457	3.7 million gallons				8760 hr/yr (All Year)
EQT0231	1238-95 - External Floating Roof Tank F-480	5.01 million gallons				8760 hr/yr (All Year)

INVENTORIES

AI ID: 1406 - Motiva Enterprises LLC - Norco Refinery
Activity Number: PER20020014
Permit Number: 2913-V0
Air - Title V Regular Permit Renewal

Subject Item Inventory:

ID	Description	Tank Volume	Max. Operating Rate	Normal Operating Rate	Contents	Operating Time
Logistics I						
EQT0232	1239-95 - External Floating Roof Tank F-482	5.01 million gallons				8760 hr/yr (All Year)
EQT0233	1241-95 - External Floating Roof Tank F-463	5.04 million gallons				8760 hr/yr (All Year)
EQT0234	1242-95 - External Floating Roof Tank F-479	5.01 million gallons				8760 hr/yr (All Year)
EQT0235	1245-95 - External Floating Roof Tank F-466	5.01 million gallons				8760 hr/yr (All Year)
EQT0236	1246-95 - External Floating Roof Tank F-484	5.01 million gallons				8760 hr/yr (All Year)
EQT0237	1247-95 - External Floating Roof Tank F-493	8.27 million gallons				8760 hr/yr (All Year)
EQT0238	1253-95 - External Floating Roof Tank F-464	5.01 million gallons				8760 hr/yr (All Year)
EQT0239	1254-95 - External Floating Roof Tank F-465	5.01 million gallons				8760 hr/yr (All Year)
EQT0240	1255-95 - External Floating Roof Tank F-469	5.01 million gallons				8760 hr/yr (All Year)
EQT0241	1-98 - Cole Pile		120 tons/hr	1.04 MM tons/yr		8760 hr/yr (All Year)
EQT0242	2-84 - Coker Flare FE-401		25 MM BTU/hr			8760 hr/yr (All Year)
EQT0243	3107-95 - Oil/Water Separator		26 gallons/min	26 gallons/min		8760 hr/yr (All Year)
EQT0244	4-84 - HCU Flare FE-301		2160 MM BTU/hr			8760 hr/yr (All Year)
EQT0245	5034-01 - Fixed Roof Tank M-419	55600 gallons				8760 hr/yr (All Year)
EQT0246	5035-01 - Horizontal Tank XC-433	3333 gallons				8760 hr/yr (All Year)
EQT0247	5036-01 - Fixed Roof Tank XC-434	370 gallons				8760 hr/yr (All Year)
EQT0248	5037-01 - Lab Hood Vent		2.12 ft ³ /sec	2.12 ft ³ /sec		8760 hr/yr (All Year)
EQT0249	5048-06 - Tank Cleaning		22 horsepower	20 horsepower		8760 hr/yr (All Year)
EQT0250	5049-06 - Internal Combustion Engines for Emergency and Water					8760 hr/yr (All Year)
EQT0251	7-02SU/SD - Startup/Shutdown Emissions					8760 hr/yr (All Year)
FUG0021	3003-95 - Logistics Fugitive Emissions					8760 hr/yr (All Year)

Stack Information:

ID	Description	Velocity (ft/sec)	Flow Rate (cubic ft/min-actual)	Diameter (feet)	Discharge Area (square feet)	Height (feet)	Temperature (oF)
Logistics I							
EQT0183	1022-95 - Fixed Roof Tank F-470			140		38.5	
EQT0184	1023-95 - Fixed Roof Tank F-471			140		38.5	
EQT0185	1024-95 - Fixed Roof Tank F-472			140		38.5	
EQT0186	1026-95 - Fixed Roof Tank F-474			140		38.5	
EQT0187	1027-95 - Fixed Roof Tank F-475			140		38.5	

INVENTORIES

AI ID: 1406 - Motiva Enterprises LLC - Norco Refinery
Activity Number: PER20020014
Permit Number: 2913-V0
Air - Title V Regular Permit Renewal

Stack Information:

ID	Description	Velocity (ft/sec)	Flow Rate (cubic ft/min-actual)	Diameter (feet)	Discharge Area (square feet)	Height (feet)	Temperature (oF)
Logistics I							
EQT0188	1028-95 - Fixed Roof Tank F-505			164		39	
EQT0189	1029-95 - Fixed Roof Tank F-506			164		39	
EQT0190	1030-95 - Fixed Roof Tank F-507			164		39	
EQT0191	1034-95 - Fixed Roof Tank F-432		134.5			29.08	
EQT0192	1035-95 - Fixed Roof Tank F-490			160		32	
EQT0193	1036-95 - Fixed Roof Tank F-504			233		39	
EQT0194	1042-95 - Fixed Roof Tank F-407		114.6			28.3	
EQT0195	1043-95 - Fixed Roof Tank F-425			60		28	
EQT0196	1044-95 - Fixed Roof Tank F-450			140		39	
EQT0197	1045-95 - Fixed Roof Tank F-451			140		38.5	
EQT0198	1046-95 - Fixed Roof Tank F-453			160		37	
EQT0199	1047-95 - Fixed Roof Tank F-454			160		39	
EQT0200	1048-95 - Fixed Roof Tank F-510			160		40	
EQT0201	1058-95 - Fixed Roof Tank H-436			100		32	250
EQT0202	1067-95 - Fixed Roof Tank F-436			144		29.17	
EQT0203	1068-95 - Fixed Roof Tank F-438			220		30	
EQT0204	1069-95 - Fixed Roof Tank F-487			220		40	
EQT0205	1070-95 - Fixed Roof Tank F-488			220		40	
EQT0206	1074-95 - Fixed Roof Tank F-511			180		40	130
EQT0207	1075-95 - Fixed Roof Tank F-512			180		40	130
EQT0208	1092-95 - Fixed Roof Tank W-416			15		16.13	
EQT0209	1209-95 - External Floating Roof Tank W-414			80		30	
EQT0210	1210-95 - External Floating Roof Tank K-558			60		32	
EQT0211	1214-95 - External Floating Roof Tank A-412			180		40	
EQT0212	1215-95 - External Floating Roof Tank A-413			180		40	
EQT0213	1216-95 - External Floating Roof Tank A-414			180		40	
EQT0214	1217-95 - External Floating Roof Tank A-415			180		40	
EQT0215	1218-95 - External Floating Roof Tank A-416			180		40	
EQT0216	1219-95 - External Floating Roof Tank A-417			180		40	
EQT0217	1220-95 - External Floating Roof Tank A-418			220		40	
EQT0218	1221-95 - External Floating Roof Tank A-419			220		40	
EQT0219	1222-95 - External Floating Roof Tank A-420			232		40	
EQT0220	1223-95 - External Floating Roof Tank F-468			140		40	
EQT0221	1225-95 - External Floating Roof Tank F-440			160		40	

INVENTORIES

AI ID: 1406 - Motiva Enterprises LLC - Norco Refinery
Activity Number: PER20020014
Permit Number: 2913-V0
Air - Title V Regular Permit Renewal

Stack Information:

ID	Description	Velocity (ft/sec)	Flow Rate (cubic ft/min-actual)	Diameter (feet)	Discharge Area (square feet)	Height (feet)	Temperature (oF)
Logistics I							
EQ10222	1226-95 - External Floating Roof Tank F-442			160		40	
EQ10223	1227-95 - External Floating Roof Tank F-455			120		40.25	
EQ10224	1228-95 - External Floating Roof Tank F-456			120		40.25	
EQ10225	1229-95 - External Floating Roof Tank F-458			125		40.25	
EQ10226	1230-95 - Internal Floating Roof Tank F-481			110		40	
EQ10227	1234-95 - External Floating Roof Tank F-441			160		40	
EQ10228	1235-95 - External Floating Roof Tank F-443			160		40	
EQ10229	1236-95 - External Floating Roof Tank F-444			160		40	
EQ10230	1237-95 - External Floating Roof Tank F-457			120		40.25	
EQ10231	1238-95 - External Floating Roof Tank F-480			140		40	
EQ10232	1239-95 - External Floating Roof Tank F-482			140		40	
EQ10233	1241-95 - External Floating Roof Tank F-463			140		40.25	
EQ10234	1242-95 - External Floating Roof Tank F-479			140		40	
EQ10235	1245-95 - External Floating Roof Tank F-466			140		40	
EQ10236	1246-95 - External Floating Roof Tank F-484			140		40	
EQ10237	1247-95 - External Floating Roof Tank F-493			180		40	
EQ10238	1253-95 - External Floating Roof Tank F-464			140		40	
EQ10239	1254-95 - External Floating Roof Tank F-465			140		40	
EQ10240	1255-95 - External Floating Roof Tank F-469			140		40	
EQ10242	2-84 - Coker Flare FE-401	65.62		3.72		225	1832
EQ10243	3107-95 - Oil/Water Separator					3	120
EQ10244	4-84 - HCU Flare FE-301	65.62		14.55		225	1832
EQ10245	5034-01 - Fixed Roof Tank M-419			35		39	
EQ10246	5035-01 - Horizontal Tank XC-433			6.83		6.83	
EQ10247	5036-01 - Fixed Roof Tank XC-434			4		5	
EQ10248	5037-01 - Lab Hood Vent			1.12			

Relationships:

Subject Item Groups:

ID	Group Type	Group Description
GRP0040	Equipment Group	5001-97 - Kero/Jet A Tanks Cap
GRP0041	Equipment Group	5002-97 - Crude Oil Tanks Cap
GRP0042	Equipment Group	5003-97 - Gas Oil/Diesel Tanks Cap

INVENTORIES

AI ID: 1406 - Motiva Enterprises LLC - Norco Refinery
 Activity Number: PER20020014
 Permit Number: 2913-V0
 Air - Title V Regular Permit Renewal

Subject Item Groups:

ID	Group Type	Group Description
GRP0043	Equipment Group	5006-97 - Naphtha Tanks Cap
GRP0044	Equipment Group	5057-07 - Frsh Gasoline Tanks Cap
GRP0045	Equipment Group	7-02 - Flare Cap
UNF0006	Unit or Facility Wide	LGSTCII - Logistics I

Group Membership:

ID	Description	Member of Groups
EQ10183	1022-95 - Fixed Roof Tank F-470	GRP0000000042
EQ10184	1023-95 - Fixed Roof Tank F-471	GRP0000000042
EQ10185	1024-95 - Fixed Roof Tank F-472	GRP0000000042
EQ10186	1026-95 - Fixed Roof Tank F-474	GRP0000000042
EQ10187	1027-95 - Fixed Roof Tank F-475	GRP0000000042
EQ10188	1028-95 - Fixed Roof Tank F-505	GRP0000000042
EQ10189	1029-95 - Fixed Roof Tank F-506	GRP0000000042
EQ10190	1030-95 - Fixed Roof Tank F-507	GRP0000000042
EQ10191	1034-95 - Fixed Roof Tank F-432	GRP0000000042
EQ10192	1035-95 - Fixed Roof Tank F-490	GRP0000000042
EQ10193	1036-95 - Fixed Roof Tank F-504	GRP0000000042
EQ10194	1042-95 - Fixed Roof Tank F-407	GRP0000000040
EQ10195	1043-95 - Fixed Roof Tank F-425	GRP0000000040
EQ10196	1044-95 - Fixed Roof Tank F-450	GRP0000000040, GRP0000000042
EQ10197	1045-95 - Fixed Roof Tank F-451	GRP0000000040
EQ10198	1046-95 - Fixed Roof Tank F-453	GRP0000000040
EQ10199	1047-95 - Fixed Roof Tank F-454	GRP0000000040
EQ10200	1048-95 - Fixed Roof Tank F-510	GRP0000000040
EQ10211	1214-95 - External Floating Roof Tank A-412	GRP0000000041
EQ10212	1215-95 - External Floating Roof Tank A-413	GRP0000000041
EQ10213	1216-95 - External Floating Roof Tank A-414	GRP0000000041
EQ10214	1217-95 - External Floating Roof Tank A-415	GRP0000000041
EQ10215	1218-95 - External Floating Roof Tank A-416	GRP0000000041
EQ10216	1219-95 - External Floating Roof Tank A-417	GRP0000000041
EQ10217	1220-95 - External Floating Roof Tank A-418	GRP0000000041
EQ10218	1221-95 - External Floating Roof Tank A-419	GRP0000000041
EQ10219	1222-95 - External Floating Roof Tank A-420	GRP0000000041
EQ10221	1225-95 - External Floating Roof Tank F-440	GRP0000000044
EQ10222	1226-95 - External Floating Roof Tank F-442	GRP0000000044
EQ10223	1227-95 - External Floating Roof Tank F-455	GRP0000000044
EQ10224	1228-95 - External Floating Roof Tank F-456	GRP0000000044
EQ10225	1229-95 - External Floating Roof Tank F-458	GRP0000000044
EQ10226	1230-95 - Internal Floating Roof Tank F-481	GRP0000000044
EQ10227	1234-95 - External Floating Roof Tank F-441	GRP0000000044
EQ10229	1236-95 - External Floating Roof Tank F-444	GRP0000000044

INVENTORIES

AI ID: 1406 - Motiva Enterprises LLC - Norco Refinery
Activity Number: PER20020014
Permit Number: 2913-V0
Air - Title V Regular Permit Renewal

Group Membership:

ID	Description	Member of Groups
EQT0235	1245-95 - External Floating Roof Tank F-466	GRP00000000043
EQT0236	1246-95 - External Floating Roof Tank F-484	GRP00000000043
EQT0237	1247-95 - External Floating Roof Tank F-493	GRP00000000043
EQT0242	2-84 - Coker Flare FE-401	GRP00000000045
EQT0244	4-84 - HCU Flare FE-301	GRP00000000045

NOTE: The UNF group relationship is not printed in this table. Every subject item is a member of the UNF group

Annual Maintenance Fee:

SIC Codes:

EMISSION RATES FOR CRITERIA POLLUTANTS

AI ID: 1406 - Motiva Enterprises LLC - Norco Refinery
 Activity Number: PER20020014
 Permit Number: 2913-V0
 Air - Title V Regular Permit Renewal

Subject Item	CO			NOx			PM10			SO2			VOC		
	Avg lb/hr	Max lb/hr	Tons/Year												
Logistics I															
ARE 0024 5036-07													3.46	4.15	15.16
EQT 0183 1022-95														9.84	
EQT 0184 1023-95														9.84	
EQT 0185 1024-95														9.84	
EQT 0186 1026-95														9.84	
EQT 0187 1027-95														9.84	
EQT 0188 1028-95														9.84	
EQT 0189 1029-95														9.84	
EQT 0190 1030-95														9.84	
EQT 0191 1034-95														9.84	
EQT 0192 1035-95														9.84	
EQT 0193 1036-95														9.84	
EQT 0194 1042-95														13.68	
EQT 0195 1043-95														13.68	
EQT 0196 1044-95														13.68	
EQT 0197 1045-95														13.68	
EQT 0198 1046-95														13.68	
EQT 0199 1047-95														13.68	
EQT 0200 1048-95														13.68	
EQT 0201 1058-95													0.07		0.30
EQT 0202 1067-95													0.18		0.77
EQT 0203 1068-95													0.56		2.46
EQT 0204 1069-95													14.55		63.74

EMISSION RATES FOR CRITERIA POLLUTANTS

AI ID: 1406 - Motiva Enterprises LLC - Norco Refinery
 Activity Number: PER20020014
 Permit Number: 2913-V0
 Air - Title V Regular Permit Renewal

Subject Item	CO			NOx			PM10			SO2			VOC		
	Avg lb/hr	Max lb/hr	Tons/Year												
Logistics I															
EQT 0205 1070-95													15.65		68.53
EQT 0206 1074-95													8.24		36.08
EQT 0207 1075-95													8.60		37.65
EQT 0208 1092-95													1.26		5.50
EQT 0209 1205-95													0.01		0.04
EQT 0210 1210-95													0.06		0.25
EQT 0211 1214-95														4.61	
EQT 0212 1215-95														4.61	
EQT 0213 1216-95														4.61	
EQT 0214 1217-95														4.61	
EQT 0215 1218-95														4.61	
EQT 0216 1219-95														4.61	
EQT 0217 1220-95														4.61	
EQT 0218 1221-95														4.61	
EQT 0219 1222-95														4.61	
EQT 0220 1223-95													2.53		11.09
EQT 0221 1225-95															
EQT 0222 1226-95															
EQT 0223 1227-95															
EQT 0224 1228-95														31.17	
EQT 0225 1229-95														31.17	
EQT 0226 1230-95														31.17	
EQT 0227 1234-95														31.17	

EMISSION RATES FOR CRITERIA POLLUTANTS

AI ID: 1406 - Motiva Enterprises LLC - Norco Refinery
 Activity Number: PER20020014
 Permit Number: 2913-V0
 Air - Title V Regular Permit Renewal

Subject Item	CO			NOx			PM10			SO2			VOC		
	Avg lb/hr	Max lb/hr	Tons/Year												
Logistics I															
EQT 0228 1235-95															
EQT 0229 1236-95														31.17	3.19
EQT 0230 1237-95															
EQT 0231 1238-95															
EQT 0232 1239-95															
EQT 0233 1241-95															
EQT 0234 1242-95															
EQT 0235 1245-95														6.04	
EQT 0236 1246-95														6.04	
EQT 0237 1247-95														6.04	
EQT 0238 1253-95															
EQT 0239 1254-95															
EQT 0240 1255-95															
EQT 0241 1-98							0.25	0.25	1.02						
EQT 0242 2-84		9.36		1.72				0.19				9.72			
EQT 0243 3107-95															
EQT 0244 4-84		735.63		135.20						14.81		53.30			
EQT 0245 5034-01															
EQT 0246 5035-01															
EQT 0247 5036-01															
EQT 0248 5037-01															
EQT 0249 5048-06															
EQT 0250 5049-06	0.13	0.15	<0.01	0.62	0.68	0.01	0.04	0.05	<0.01	0.04	0.05	<0.01	0.05	0.05	<0.01

EMISSION RATES FOR CRITERIA POLLUTANTS

AI ID: 1406 - Motiva Enterprises LLC - Norco Refinery

Activity Number: PER20020014

Permit Number: 2913-V0

Air - Title V Regular Permit Renewal

Subject Item	CO			NOx			PM10			SO2			VOC		
	Avg lb/hr	Max lb/hr	Tons/Year												
Logistics I															
EQT 0251 7-02SU/SD	3.65	16662.5	16.00	0.67	3062.30	2.94	0.07	335.50	0.32	4.59	1007.28	20.10	1.65	10370.6	7.21
FUG 0021 3003-95													130.40		571.15
GRP 0040 5001-97															59.94
GRP 0041 5002-97															17.53
GRP 0042 5003-97															43.11
GRP 0043 5006-97															26.46
GRP 0044 5057-07															83.98
GRP 0045 7-02			161.59			29.70			3.25			186.29			57.08

Note: Emission rates in bold are from alternate scenarios and are not included in permitted totals unless otherwise noted in a footnote.

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 1406 - Motiva Enterprises LLC - Norco Refinery

Activity Number: PER20020014

Permit Number: 2913-V0

Air - Title V Regular Permit Renewal

Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
ARE 0024 5058-07	2,2,4-Trimethylpentane	0.02	0.02	0.07
	Benzene	0.03	0.03	0.12
	Ethyl benzene	0.09	0.11	0.39
	Methyl Tertiary Butyl Ether	0.01	0.02	0.06
	Naphthalene	0.39	0.46	1.69
	Styrene	0.002	0.003	0.01
	Toluene	0.53	0.63	2.31
	Xylene (mixed isomers)	1.14	1.37	4.99
	n-Hexane	0.03	0.03	0.12
EQT 0183 1022-95	Benzene		0.48	
	Naphthalene		0.12	
	Polynuclear Aromatic Hydrocar		< 0.001	
	Toluene		0.79	
EQT 0184 1023-95	Benzene		0.48	
	Naphthalene		0.12	
	Polynuclear Aromatic Hydrocar		< 0.001	
	Toluene		0.79	
EQT 0185 1024-95	Benzene		0.48	
	Naphthalene		0.12	
	Polynuclear Aromatic Hydrocar		< 0.001	
	Toluene		0.79	
	Xylene (mixed isomers)		0.11	
EQT 0186 1026-95	Benzene		0.48	
	Naphthalene		0.12	
	Polynuclear Aromatic Hydrocar		< 0.001	
	Toluene		0.79	
	Xylene (mixed isomers)		0.11	
EQT 0187 1027-95	Benzene		0.48	
	Naphthalene		0.12	
	Polynuclear Aromatic Hydrocar		< 0.001	
	Toluene		0.79	
	Xylene (mixed isomers)		0.11	
EQT 0188 1028-95	Benzene		0.48	
	Naphthalene		0.12	

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 1406 - Motiva Enterprises LLC - Norco Refinery

Activity Number: PER20020014

Permit Number: 2913-V0

Air - Title V Regular Permit Renewal

Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
EQT 0188 1028-95	Polynuclear Aromatic Hydrocar		< 0.001	
	Toluene		0.79	
	Xylene (mixed isomers)		0.11	
EQT 0189 1029-95	Benzene		0.48	
	Naphthalene		0.12	
	Toluene		0.79	
	Xylene (mixed isomers)		0.11	
EQT 0190 1030-95	Benzene		0.48	
	Naphthalene		0.12	
	Toluene		0.79	
	Xylene (mixed isomers)		0.11	
EQT 0191 1034-95	Benzene		0.48	
	Naphthalene		0.12	
	Polynuclear Aromatic Hydrocar		< 0.001	
EQT 0192 1035-95	Benzene		0.48	
	Naphthalene		0.12	
	Polynuclear Aromatic Hydrocar		< 0.001	
EQT 0193 1036-95	Benzene		0.48	
	Naphthalene		0.12	
	Toluene		0.79	
	Xylene (mixed isomers)		0.11	
EQT 0194 1042-95	Benzene		1.97	
	Naphthalene		0.06	
	Toluene		0.28	
	Xylene (mixed isomers)		0.05	
EQT 0195 1043-95	Benzene		1.97	
	Naphthalene		0.06	
	Toluene		0.28	
	Xylene (mixed isomers)		0.05	
EQT 0196 1044-95	Benzene		1.97	
	Naphthalene		0.06	
	Toluene		0.28	
	Xylene (mixed isomers)		0.05	
EQT 0197 1045-95	Benzene		1.97	

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 1406 - Motiva Enterprises LLC - Norco Refinery

Activity Number: PER20020014

Permit Number: 2913-V0

Air - Title V Regular Permit Renewal

Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
EQT 0197 1045-95	Naphthalene		0.06	
	Toluene		0.28	
	Xylene (mixed isomers)		0.05	
EQT 0198 1046-95	Benzene		1.97	
	Naphthalene		0.06	
	Toluene		0.28	
	Xylene (mixed isomers)		0.05	
EQT 0199 1047-95	Benzene		1.97	
	Naphthalene		0.06	
	Toluene		0.28	
	Xylene (mixed isomers)		0.05	
EQT 0200 1048-95	Benzene		1.97	
	Naphthalene		0.06	
	Toluene		0.28	
	Xylene (mixed isomers)		0.05	
EQT 0202 1067-95	Benzene	0.04		0.18
	Ethyl benzene	0.04		0.17
	Hydrogen sulfide	< 0.001		< 0.001
	Naphthalene	0.03		0.12
	Polynuclear Aromatic Hydrocar	0.001		0.004
	Toluene	0.08		0.36
	Xylene (mixed isomers)	0.03		0.12
EQT 0203 1068-95	Benzene	0.26		1.16
	Ethyl benzene	0.13		0.57
	Hydrogen sulfide	< 0.001		< 0.001
	Naphthalene	0.09		0.41
	Polynuclear Aromatic Hydrocar	0.002		0.007
	Toluene	0.15		0.67
	Xylene (mixed isomers)	0.05		0.22
EQT 0204 1069-95	Benzene	2.24		9.79
	Biphenyl	0.02		0.08
	Ethyl benzene	2.75		12.02
	Hydrogen sulfide	0.52		2.29
	Naphthalene	0.07		0.29

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 1406 - Motiva Enterprises LLC - Norco Refinery

Activity Number: PER20020014

Permit Number: 2913-V0

Air - Title V Regular Permit Renewal

Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
EQT 0204 1069-95	Polynuclear Aromatic Hydrocar	0.07	.	0.31
	Toluene	7.14		31.28
	Xylene (mixed isomers)	2.29		10.04
EQT 0205 1070-95	Benzene	2.40		10.53
	Biphenyl	0.02		0.08
	Ethyl benzene	2.95		12.93
	Hydrogen sulfide	0.56		2.47
	Naphthalene	0.07		0.33
	Polynuclear Aromatic Hydrocar	0.08		0.34
	Toluene	7.68		33.63
	Xylene (mixed isomers)	2.46		10.79
EQT 0206 1074-95	Benzene	0.88		3.84
	Biphenyl	0.01		0.03
	Ethyl benzene	1.08		4.72
	Hydrogen sulfide	0.21		0.90
	Naphthalene	0.02		0.08
	Polynuclear Aromatic Hydrocar	0.03		0.12
	Toluene	2.80		12.27
	Xylene (mixed isomers)	0.90		3.94
	n-Hexane	2.20		9.63
EQT 0207 1075-95	Benzene	0.95		4.15
	Biphenyl	0.01		0.03
	Ethyl benzene	1.16		5.10
	Hydrogen sulfide	0.22		0.97
	Naphthalene	0.02		0.09
	Polynuclear Aromatic Hydrocar	0.03		0.13
	Toluene	3.03		13.26
	Xylene (mixed isomers)	0.97		4.26
	n-Hexane	2.34		10.42
EQT 0208 1092-95	Ammonia	< 0.001		< 0.001
	Benzene	< 0.001		< 0.001
	Cresol	< 0.001		< 0.001
	Ethyl benzene	< 0.001		< 0.001
	Methyl ethyl ketone	< 0.001		< 0.001

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 1406 - Motiva Enterprises LLC - Norco Refinery

Activity Number: PER20020014

Permit Number: 2913-V0

Air - Title V Regular Permit Renewal

Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
EQT 0208 1092-95	Naphthalene	< 0.001		< 0.001
	Phenol	< 0.001		< 0.001
	Toluene	< 0.001		0.001
	Xylene (mixed isomers)	< 0.001		< 0.001
EQT 0209 1209-95	Benzene	< 0.001		< 0.001
	Naphthalene	< 0.001		< 0.001
	Toluene	< 0.001		0.001
	Xylene (mixed isomers)	< 0.001		< 0.001
EQT 0210 1210-95	Benzene	< 0.001		< 0.001
EQT 0211 1214-95	Benzene		0.02	
	Ethyl benzene		< 0.001	
	Methanol		< 0.001	
	Naphthalene		0.01	
	Polynuclear Aromatic Hydrocar		0.01	
	Toluene		0.02	
	Xylene (mixed isomers)		0.02	
	n-Hexane		0.07	
EQT 0212 1215-95	Benzene		0.02	
	Ethyl benzene		< 0.001	
	Methanol		< 0.001	
	Naphthalene		0.01	
	Polynuclear Aromatic Hydrocar		0.01	
	Toluene		0.02	
	Xylene (mixed isomers)		0.02	
	n-Hexane		0.07	
EQT 0213 1216-95	Benzene		0.02	
	Ethyl benzene		< 0.001	
	Methanol		< 0.001	
	Naphthalene		0.01	
	Polynuclear Aromatic Hydrocar		0.01	
	Toluene		0.02	
	Xylene (mixed isomers)		0.02	
	n-Hexane		0.07	
EQT 0214 1217-95	Benzene		0.02	

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 1406 - Motiva Enterprises LLC - Norco Refinery

Activity Number: PER20020014

Permit Number: 2913-V0

Air - Title V Regular Permit Renewal

Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
EQT 0214 1217-95	Ethyl benzene		< 0.001	
	Methanol		< 0.001	
	Naphthalene		0.01	
	Polynuclear Aromatic Hydrocar		0.01	
	Toluene		0.02	
	Xylene (mixed isomers)		0.02	
	n-Hexane		0.07	
EQT 0215 1218-95	Benzene		0.02	
	Ethyl benzene		< 0.001	
	Methanol		< 0.001	
	Naphthalene		0.01	
	Polynuclear Aromatic Hydrocar		0.01	
	Toluene		0.02	
	Xylene (mixed isomers)		0.02	
	n-Hexane		0.07	
EQT 0216 1219-95	Benzene		0.02	
	Ethyl benzene		< 0.001	
	Methanol		< 0.001	
	Naphthalene		0.01	
	Polynuclear Aromatic Hydrocar		0.01	
	Toluene		0.02	
	Xylene (mixed isomers)		0.02	
	n-Hexane		0.07	
EQT 0217 1220-95	Benzene		0.02	
	Ethyl benzene		< 0.001	
	Methanol		< 0.001	
	Naphthalene		0.01	
	Polynuclear Aromatic Hydrocar		0.01	
	Toluene		0.02	
	Xylene (mixed isomers)		0.02	
	n-Hexane		0.07	
EQT 0218 1221-95	Benzene		0.02	
	Ethyl benzene		< 0.001	
	Methanol		< 0.001	

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 1406 - Motiva Enterprises LLC - Norco Refinery

Activity Number: PER20020014

Permit Number: 2913-V0

Air - Title V Regular Permit Renewal

Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
EQT 0218 1221-95	Naphthalene		0.01	
	Polynuclear Aromatic Hydrocar		0.01	
	Toluene		0.02	
	Xylene (mixed isomers)		0.02	
	n-Hexane		0.07	
EQT 0219 1222-95	Benzene		0.02	
	Ethyl benzene		< 0.001	
	Methanol		< 0.001	
	Naphthalene		0.01	
	Polynuclear Aromatic Hydrocar		0.01	
	Toluene		0.02	
	Xylene (mixed isomers)		0.02	
	n-Hexane		0.07	
EQT 0220 1223-95	1,3-Butadiene	< 0.001		< 0.001
	Benzene	0.03		0.11
	Cresol	< 0.001		< 0.001
	Cumene	< 0.001		< 0.001
	Ethyl benzene	0.01		0.03
	Naphthalene	< 0.001		< 0.001
	Styrene	< 0.001		< 0.001
	Toluene	0.05		0.22
	Xylene (mixed isomers)	0.01		0.06
	n-Hexane	0.31		1.36
EQT 0221 1225-95	2,2,4-Trimethylpentane		0.07	
	Benzene		0.32	
	Ethyl benzene		0.08	
	Methyl Tertiary Butyl Ether		0.27	
	Naphthalene		< 0.001	
	Styrene		0.01	
	Toluene		0.64	
	Xylene (mixed isomers)		0.18	
	n-Hexane		3.69	
EQT 0222 1226-95	2,2,4-Trimethylpentane		0.07	
	Benzene		0.32	

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 1406 - Motiva Enterprises LLC - Norco Refinery

Activity Number: PER20020014

Permit Number: 2913-V0

Air - Title V Regular Permit Renewal

Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
EQT 0222 1226-95	Ethyl benzene		0.08	
	Methyl Tertiary Butyl Ether		0.27	
	Naphthalene		< 0.001	
	Styrene		0.01	
	Toluene		0.64	
	Xylene (mixed isomers)		0.18	
	n-Hexane		3.69	
EQT 0223 1227-95	2,2,4-Trimethylpentane		0.07	
	Benzene		0.32	
	Ethyl benzene		0.08	
	Methyl Tertiary Butyl Ether		0.27	
	Naphthalene		< 0.001	
	Styrene		0.01	
	Toluene		0.64	
	Xylene (mixed isomers)		0.18	
	n-Hexane		3.69	
EQT 0224 1228-95	2,2,4-Trimethylpentane		0.07	
	Benzene		0.32	
	Ethyl benzene		0.08	
	Methyl Tertiary Butyl Ether		0.27	
	Naphthalene		< 0.001	
	Styrene		0.01	
	Toluene		0.64	
	Xylene (mixed isomers)		0.18	
	n-Hexane		3.69	
EQT 0225 1229-95	2,2,4-Trimethylpentane		0.07	
	Benzene		0.32	
	Ethyl benzene		0.08	
	Methyl Tertiary Butyl Ether		0.27	
	Naphthalene		< 0.001	
	Styrene		0.01	
	Toluene		0.64	
	Xylene (mixed isomers)		0.18	
	n-Hexane		3.69	

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 1406 - Motiva Enterprises LLC - Norco Refinery

Activity Number: PER20020014

Permit Number: 2913-V0

Air - Title V Regular Permit Renewal

Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
EQT 0226 1230-95	2,2,4-Trimethylpentane		0.07	
	Benzene		0.32	
	Ethyl benzene		0.08	
	Methyl Tertiary Butyl Ether		0.27	
	Naphthalene		< 0.001	
	Styrene		0.01	
	Toluene		0.64	
	Xylene (mixed isomers)		0.18	
	n-Hexane		3.69	
EQT 0227 1234-95	2,2,4-Trimethylpentane		0.07	
	Benzene		0.32	
	Ethyl benzene		0.08	
	Methyl Tertiary Butyl Ether		0.27	
	Naphthalene		< 0.001	
	Styrene		0.01	
	Toluene		0.64	
	Xylene (mixed isomers)		0.18	
	n-Hexane		3.69	
EQT 0228 1235-95	Benzene	0.01		0.03
	Toluene	0.005		0.02
	n-Hexane	0.01		0.03
EQT 0229 1236-95	2,2,4-Trimethylpentane		0.07	
	Benzene		0.32	
	Ethyl benzene		0.08	
	Methyl Tertiary Butyl Ether		0.27	
	Naphthalene		< 0.001	
	Styrene		0.01	
	Toluene		0.64	
	Xylene (mixed isomers)		0.18	
	n-Hexane		3.69	
EQT 0230 1237-95	Benzene	0.005		0.02
	Toluene	0.005		0.02
	n-Hexane	0.01		0.02
EQT 0231 1238-95	Benzene	0.02		0.09

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 1406 - Motiva Enterprises LLC - Norco Refinery

Activity Number: PER20020014

Permit Number: 2913-V0

Air - Title V Regular Permit Renewal

Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
EQT 0231 1238-95	Ethyl benzene	0.005		0.02
	Naphthalene	< 0.001		< 0.001
	Styrene	< 0.001		< 0.001
	Toluene	0.04		0.16
	Xylene (mixed isomers)	0.01		0.03
	n-Hexane	0.24		1.04
EQT 0232 1239-95	Benzene	0.13		0.59
	Ethyl benzene	0.04		0.18
	Naphthalene	0.002		0.01
	Styrene	0.01		0.03
	Toluene	0.28		1.22
	Xylene (mixed isomers)	0.08		0.36
	n-Hexane	1.58		6.93
EQT 0233 1241-95	Benzene	0.02		0.09
	Ethyl benzene	0.01		0.02
	Naphthalene	< 0.001		< 0.001
	Styrene	< 0.001		< 0.001
	Toluene	0.04		0.18
	Xylene (mixed isomers)	0.01		0.05
	n-Hexane	0.26		1.13
EQT 0234 1242-95	Benzene	0.03		0.15
	Ethyl benzene	0.02		0.10
	Naphthalene	0.002		0.01
	Styrene	0.005		0.02
	Toluene	0.10		0.45
	Xylene (mixed isomers)	0.05		0.22
	n-Hexane	0.36		1.59
EQT 0235 1245-95	1,3-Butadiene		< 0.001	
	Benzene		0.05	
	Cresol		< 0.001	
	Cumene		< 0.001	
	Ethyl benzene		0.01	
	Naphthalene		< 0.001	
	Styrene		< 0.001	

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 1406 - Motiva Enterprises LLC - Norco Refinery

Activity Number: PER20020014

Permit Number: 2913-V0

Air - Title V Regular Permit Renewal

Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
EQT 0235 1245-95	Toluene		0.07	
	Xylene (mixed isomers)		0.04	
	n-Hexane		0.16	
EQT 0236 1246-95	1,3-Butadiene		< 0.001	
	Benzene		0.05	
	Cresol		< 0.001	
	Cumene		< 0.001	
	Ethyl benzene		0.01	
	Naphthalene		< 0.001	
	Styrene		< 0.001	
	Toluene		0.07	
	Xylene (mixed isomers)		0.04	
	n-Hexane		0.16	
EQT 0237 1247-95	1,3-Butadiene		< 0.001	
	Benzene		0.05	
	Cresol		< 0.001	
	Cumene		< 0.001	
	Ethyl benzene		0.01	
	Naphthalene		< 0.001	
	Styrene		< 0.001	
	Toluene		0.07	
	Xylene (mixed isomers)		0.04	
n-Hexane		0.16		
EQT 0238 1253-95	Benzene	0.03		0.14
	Ethyl benzene	0.02		0.10
	Naphthalene	0.002		0.01
	Styrene	0.005		0.02
	Toluene	0.10		0.43
	Xylene (mixed isomers)	0.05		0.21
	n-Hexane	0.36		1.57
EQT 0239 1254-95	Benzene	0.03		0.14
	Ethyl benzene	0.02		0.10
	Methyl Tertiary Butyl Ether	< 0.001		< 0.001
	Naphthalene	0.002		0.01

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 1406 - Motiva Enterprises LLC - Norco Refinery

Activity Number: PER20020014

Permit Number: 2913-V0

Air - Title V Regular Permit Renewal

Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
EQT 0239 1254-95	Styrene	0.005		0.02
	Toluene	0.10		0.43
	Xylene (mixed isomers)	0.05		0.21
	n-Hexane	0.35		1.53
EQT 0240 1255-95	Benzene	0.04		0.16
	Ethyl benzene	0.02		0.10
	Naphthalene	0.002		0.01
	Styrene	0.005		0.02
	Toluene	0.11		0.46
	Xylene (mixed isomers)	0.05		0.21
	n-Hexane	0.41		1.78
EQT 0242 2-84	1,3-Butadiene		< 0.001	
	Benzene		< 0.01	
	Ethyl benzene		< 0.01	
	Naphthalene		< 0.01	
	Phenol		< 0.01	
	Styrene		< 0.01	
	Toluene		< 0.01	
	Xylene (mixed isomers)		< 0.01	
	n-Hexane		< 0.01	
EQT 0243 3107-95	Benzene	< 0.001	< 0.001	< 0.001
	Ethyl benzene	0.005	0.005	0.02
	Naphthalene	0.02	0.02	0.10
	Toluene	0.03	0.03	0.12
	Xylene (mixed isomers)	0.06	0.06	0.27
EQT 0244 4-84	Benzene		0.01	
	Toluene		< 0.01	
	n-Hexane		3.57	
EQT 0245 5034-01	Benzene	0.01		0.06
	Naphthalene	< 0.001		< 0.001
	Toluene	0.002		0.01
	Xylene (mixed isomers)	< 0.001		< 0.001
EQT 0246 5035-01	Benzene	< 0.001		< 0.001
	Hydrogen sulfide	< 0.001		< 0.001

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 1406 - Motiva Enterprises LLC - Norco Refinery

Activity Number: PER20020014

Permit Number: 2913-V0

Air - Title V Regular Permit Renewal

Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
EQT 0246 5035-01	Naphthalene	< 0.001		< 0.001
	Toluene	< 0.001		< 0.001
	Xylene (mixed isomers)	< 0.001		< 0.001
EQT 0247 5036-01	Benzene	< 0.001		< 0.001
	Hydrogen sulfide	< 0.001		< 0.001
	Naphthalene	< 0.001		< 0.001
	Toluene	< 0.001		< 0.001
	Xylene (mixed isomers)	< 0.001		< 0.001
EQT 0248 5037-01	1,3-Butadiene	0.03	0.04	0.13
EQT 0249 5048-06	1,3-Butadiene	0.001		0.004
	2,2,4-Trimethylpentane	0.26		1.13
	Benzene	0.44		1.91
	Biphenyl	0.01		0.03
	Cresol	0.01		0.04
	Cumene	0.01		0.04
	Ethyl benzene	0.19		0.85
	Hydrogen sulfide	0.02		0.09
	Methanol	< 0.01		< 0.01
	Methyl ethyl ketone	0.12		0.53
	Naphthalene	0.27		1.17
	Polynuclear Aromatic Hydrocar	0.06		0.26
	Styrene	0.03		0.12
	Toluene	1.36		5.97
	Xylene (mixed isomers)	1.77		7.73
n-Hexane	2.03		8.87	
EQT 0251 7-02SU/SD	1,3-Butadiene	< 0.001	0.01	< 0.001
	2,2,4-Trimethylpentane	< 0.01	< 0.01	< 0.01
	Benzene	0.02	139.40	0.08
	Biphenyl	< 0.01	< 0.01	< 0.01
	Cresol	< 0.01	< 0.01	< 0.01
	Cumene	< 0.01	< 0.01	< 0.01
	Ethyl benzene	< 0.01	0.17	< 0.01
	Methyl ethyl ketone	< 0.01	< 0.01	< 0.01
	Naphthalene	< 0.01	< 0.01	< 0.01

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 1406 - Motiva Enterprises LLC - Norco Refinery

Activity Number: PER20020014

Permit Number: 2913-V0

Air - Title V Regular Permit Renewal

Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
EQT 0251 7-02SU/SD	Phenol	< 0.01	< 0.01	< 0.01
	Toluene	< 0.01	1.96	< 0.01
	Xylene (mixed isomers)	< 0.01	0.58	< 0.01
	n-Hexane	0.08	62.11	0.37
FUG 0021 3003-95	1,3-Butadiene	0.16		0.07
	1-Methylnaphthalene	0.01		0.07
	2,2,4-Trimethylpentane	1.68		7.36
	2-Methylnaphthalene	0.03		0.14
	Acetonitrile	< 0.01		< 0.01
	Benzene	1.22		5.33
	Biphenyl	0.01		0.03
	Cresol	< 0.01		< 0.01
	Cumene	0.01		0.04
	Diethanolamine	< 0.01		0.01
	Ethyl benzene	1.12		4.90
	Formaldehyde	0.01		0.02
	Hydrogen sulfide	0.03		0.12
	Methanol	1.06		4.65
	Methyl Tertiary Butyl Ether	2.32		10.17
	Naphthalene	0.65		2.84
	Phenol	0.002		0.01
	Polynuclear Aromatic Hydrocar	0.05		0.21
	Styrene	0.15		0.64
	Toluene	3.74		16.36
Xylene (mixed isomers)	3.48		15.26	
n-Hexane	1.80		7.87	
GRP 0040 5001-97	Benzene			8.65
	Naphthalene			0.25
	Toluene			1.23
	Xylene (mixed isomers)			0.24
GRP 0041 5002-97	Benzene			0.08
	Ethyl benzene			0.02
	Methanol			< 0.01
	Naphthalene			0.03

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 1406 - Motiva Enterprises LLC - Norco Refinery

Activity Number: PER20020014

Permit Number: 2913-V0

Air - Title V Regular Permit Renewal

Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
GRP 0041 5002-97	Polynuclear Aromatic Hydrocar			0.04
	Toluene			0.08
	Xylene (mixed isomers)			0.10
	n-Hexane			0.24
GRP 0042 5003-97	Benzene			2.10
	Hydrogen sulfide			0.04
	Naphthalene			0.53
	Polynuclear Aromatic Hydrocar			< 0.001
	Toluene			3.45
	Xylene (mixed isomers)			0.47
GRP 0043 5006-97	1,3-Butadiene			0.001
	Benzene			0.24
	Cresol			< 0.01
	Cumene			< 0.01
	Ethyl benzene			0.04
	Hydrogen sulfide			0.02
	Naphthalene			0.01
	Styrene			0.01
	Toluene			0.29
	Xylene (mixed isomers)			0.18
	n-Hexane			0.69
GRP 0044 5057-07	2,2,4-Trimethylpentane			0.21
	Benzene			0.87
	Ethyl benzene			0.23
	Methyl Tertiary Butyl Ether			0.72
	Naphthalene			0.01
	Styrene			0.04
	Toluene			1.85
	Xylene (mixed isomers)			0.61
	n-Hexane			9.87
GRP 0045 7-02	1,3-Butadiene			< 0.001
	Benzene			0.06
	Ethyl benzene			< 0.01
	Naphthalene			< 0.01

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 1406 - Motiva Enterprises LLC - Norco Refinery

Activity Number: PER20020014

Permit Number: 2913-V0

Air - Title V Regular Permit Renewal

Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
GRP 0045 7-02	Phenol			< 0.01
	Styrene			< 0.01
	Toluene			0.01
	Xylene (mixed isomers)			0.01
	n-Hexane			2.11
UNF 0006 LGSTCI	1,3-Butadiene			0.20
	1-Methylnaphthalene			0.07
	2,2,4-Trimethylpentane			8.77
	2-Methylnaphthalene			0.14
	Acetaldehyde			< 0.01
	Acetonitrile			< 0.01
	Acrolein			< 0.001
	Ammonia			< 0.01
	Benzene			50.69
	Biphenyl			0.28
	Cresol			0.05
	Cumene			0.08
	Diethanolamine			0.01
	Ethyl benzene			42.60
	Formaldehyde			0.02
	Hydrogen sulfide			6.90
	Methanol			4.65
	Methyl Tertiary Butyl Ether			10.95
	Methyl ethyl ketone			0.53
	Naphthalene			8.00
	Phenol			0.01
Polynuclear Aromatic Hydrocar			1.21	
Styrene			0.92	
Toluene			126.75	
Xylene (mixed isomers)			60.57	
n-Hexane			67.19	

Note: Emission rates in bold are from alternate scenarios and are not included in permitted totals unless otherwise noted in a footnote.

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 1406 - Motiva Enterprises LLC - Norco Refinery

Activity Number: PER20020014

Permit Number: 2913-V0

Air - Title V Regular Permit Renewal

SPECIFIC REQUIREMENTS

AJ ID: 1406 - Motiva Enterprises LLC - Norco Refinery

Activity Number: PER20020014

Permit Number: 2913-V0

Air - Title V Regular Permit Renewal

ARE0024 5058-07, Logistics Wastewater System

- 1 [40 CFR 61.356] Wastewater: Permittee shall comply with all the applicable recordkeeping requirements as stated in 40 CFR 61.356 and all the applicable reporting requirements of 40 CFR 61.357. Subpart FF. [40 CFR 61.356, 40 CFR 61.357]
- 2 [40 CFR 63.647(a)] Comply with the requirements of 40 CFR 61.340 through 61.355 of 40 CFR part 61, subpart FF, except as provided in 40 CFR 63.647(b). Subpart CC. [40 CFR 63.647(a)]
- 3 [LAC 33:III.5109.A] Compliance with all the applicable requirements of NESHAP, 40 CFR 61, Subpart FF is considered compliance with all the applicable requirements of LAC 33:III.5109.A.

EQT0183 1022-95, Fixed Roof Tank F-470

- 4 [40 CFR 63.654(h)] Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep readily accessible records showing the dimensions of the storage vessel, an analysis showing the capacity of the storage vessel, and any data, assumptions, and procedures used to make the determination for the tank to be Group 2. Keep the records as long as the storage vessel retains Group 2 status and is in operation. Subpart CC. [40 CFR 63.654(h), 40 CFR 63.654(i)(iv)]
- 5 [LAC 33:III.5109.A] Compliance with all the applicable requirements of NESHAP, 40 CFR 63, Subpart CC is considered compliance with all the applicable requirements of LAC 33:III.5109.A.

EQT0184 1023-95, Fixed Roof Tank F-471

- 6 [40 CFR 63.654(h)] Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep readily accessible records showing the dimensions of the storage vessel, an analysis showing the capacity of the storage vessel, and any data, assumptions, and procedures used to make the determination for the tank to be Group 2. Keep the records as long as the storage vessel retains Group 2 status and is in operation. Subpart CC. [40 CFR 63.654(h), 40 CFR 63.654(i)(iv)]
- 7 [LAC 33:III.5109.A] Compliance with all the applicable requirements of NESHAP, 40 CFR 63, Subpart CC is considered compliance with all the applicable requirements of LAC 33:III.5109.A.

EQT0185 1024-95, Fixed Roof Tank F-472

- 8 [40 CFR 63.654(h)] Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep readily accessible records showing the dimensions of the storage vessel, an analysis showing the capacity of the storage vessel, and any data, assumptions, and procedures used to make the determination for the tank to be Group 2. Keep the records as long as the storage vessel retains Group 2 status and is in operation. Subpart CC. [40 CFR 63.654(h), 40 CFR 63.654(i)(iv)]
- 9 [LAC 33:III.5109.A] Compliance with all the applicable requirements of NESHAP, 40 CFR 63, Subpart CC is considered compliance with all the applicable requirements of LAC 33:III.5109.A.

EQT0186 1026-95, Fixed Roof Tank F-474

SPECIFIC REQUIREMENTS

AI ID: 1406 - Motiva Enterprises LLC - Norco Refinery

Activity Number: PER20020014

Permit Number: 2913-V0

Air - Title V Regular Permit Renewal

EQT0186 1026-95, Fixed Roof Tank F-474

- 10 [40 CFR 63.654(h)] Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep readily accessible records showing the dimensions of the storage vessel, an analysis showing the capacity of the storage vessel, and any data, assumptions, and procedures used to make the determination for the tank to be Group 2. Keep the records as long as the storage vessel retains Group 2 status and is in operation. Subpart CC. [40 CFR 63.654(h), 40 CFR 63.654(i)(iv)]
- 11 [LAC 33:III.5109.A] Compliance with all the applicable requirements of NESHAP, 40 CFR 63, Subpart CC is considered compliance with all the applicable requirements of LAC 33:III.5109.A.

EQT0187 1027-95, Fixed Roof Tank F-475

- 12 [40 CFR 63.654(h)] Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep readily accessible records showing the dimensions of the storage vessel, an analysis showing the capacity of the storage vessel, and any data, assumptions, and procedures used to make the determination for the tank to be Group 2. Keep the records as long as the storage vessel retains Group 2 status and is in operation. Subpart CC. [40 CFR 63.654(h), 40 CFR 63.654(i)(iv)]
- 13 [LAC 33:III.5109.A] Compliance with all the applicable requirements of NESHAP, 40 CFR 63, Subpart CC is considered compliance with all the applicable requirements of LAC 33:III.5109.A.

EQT0188 1028-95, Fixed Roof Tank F-505

- 14 [40 CFR 60.113] Petroleum liquid storage data recordkeeping by electronic or hard copy at the approved frequency. Maintain a record of the petroleum liquid stored, the period of storage, and the maximum true vapor pressure of that liquid during the respective storage period, except as provided in 40 CFR 60.113(d). Subpart K.
- 15 [40 CFR 63.654(h)] Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep readily accessible records showing the dimensions of the storage vessel, an analysis showing the capacity of the storage vessel, and any data, assumptions, and procedures used to make the determination for the tank to be Group 2. Keep the records as long as the storage vessel retains Group 2 status and is in operation. Subpart CC. [40 CFR 63.654(h), 40 CFR 63.654(i)(iv)]
- 16 [LAC 33:III.5109.A] Compliance with all the applicable requirements of NESHAP, 40 CFR 63, Subpart CC is considered compliance with all the applicable requirements of LAC 33:III.5109.A.

EQT0189 1029-95, Fixed Roof Tank F-506

- 17 [40 CFR 60.113] Petroleum liquid storage data recordkeeping by electronic or hard copy at the approved frequency. Maintain a record of the petroleum liquid stored, the period of storage, and the maximum true vapor pressure of that liquid during the respective storage period, except as provided in 40 CFR 60.113(d). Subpart K.
- 18 [40 CFR 63.654(h)] Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep readily accessible records showing the dimensions of the storage vessel, an analysis showing the capacity of the storage vessel, and any data, assumptions, and procedures used to make the determination for the tank to be Group 2. Keep the records as long as the storage vessel retains Group 2 status and is in operation. Subpart CC. [40 CFR 63.654(h), 40 CFR 63.654(i)(iv)]

SPECIFIC REQUIREMENTS

AI ID: 1406 - Motiva Enterprises LLC - Norco Refinery
Activity Number: PER20020014
Permit Number: 2913-V0
Air - Title V Regular Permit Renewal

EQT0189 1029-95, Fixed Roof Tank F-506

19 [LAC 33:III.5109.A] Compliance with all the applicable requirements of NESHAP, 40 CFR 63, Subpart CC is considered compliance with all the applicable requirements of LAC 33:III.5109.A.

EQT0190 1030-95, Fixed Roof Tank F-507

20 [40 CFR 60.113] Petroleum liquid storage data recordkeeping by electronic or hard copy at the approved frequency. Maintain a record of the petroleum liquid stored, the period of storage, and the maximum true vapor pressure of that liquid during the respective storage period, except as provided in 40 CFR 60.113(d). Subpart K.

21 [40 CFR 63.654(h)] Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep readily accessible records showing the dimensions of the storage vessel, an analysis showing the capacity of the storage vessel, and any data, assumptions, and procedures used to make the determination for the tank to be Group 2. Keep the records as long as the storage vessel retains Group 2 status and is in operation. Subpart CC. [40 CFR 63.654(h), 40 CFR 63.654(i)(iv)]

22 [LAC 33:III.5109.A] Compliance with all the applicable requirements of NESHAP, 40 CFR 63, Subpart CC is considered compliance with all the applicable requirements of LAC 33:III.5109.A.

EQT0191 1034-95, Fixed Roof Tank F-432

23 [40 CFR 63.654(h)] Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep readily accessible records showing the dimensions of the storage vessel, an analysis showing the capacity of the storage vessel, and any data, assumptions, and procedures used to make the determination for the tank to be Group 2. Keep the records as long as the storage vessel retains Group 2 status and is in operation. Subpart CC. [40 CFR 63.654(h), 40 CFR 63.654(i)(iv)]

24 [LAC 33:III.5109.A] Compliance with all the applicable requirements of NESHAP, 40 CFR 63, Subpart CC is considered compliance with all the applicable requirements of LAC 33:III.5109.A.

EQT0192 1035-95, Fixed Roof Tank F-490

25 [40 CFR 63.654(h)] Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep readily accessible records showing the dimensions of the storage vessel, an analysis showing the capacity of the storage vessel, and any data, assumptions, and procedures used to make the determination for the tank to be Group 2. Keep the records as long as the storage vessel retains Group 2 status and is in operation. Subpart CC. [40 CFR 63.654(h), 40 CFR 63.654(i)(iv)]

26 [LAC 33:III.5109.A] Compliance with all the applicable requirements of NESHAP, 40 CFR 63, Subpart CC is considered compliance with all the applicable requirements of LAC 33:III.5109.A.

EQT0193 1036-95, Fixed Roof Tank F-504

27 [40 CFR 60.113] Petroleum liquid storage data recordkeeping by electronic or hard copy at the approved frequency. Maintain a record of the petroleum liquid stored, the period of storage, and the maximum true vapor pressure of that liquid during the respective storage period, except as provided in 40 CFR 60.113(d). Subpart K.

SPECIFIC REQUIREMENTS

AI ID: 1406 - Motiva Enterprises LLC - Norco Refinery
Activity Number: PER20020014
Permit Number: 2913-V0
Air - Title V Regular Permit Renewal

EQT0193 1036-95, Fixed Roof Tank F-504

- 28 [40 CFR 63.654(h)] Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep readily accessible records showing the dimensions of the storage vessel, an analysis showing the capacity of the storage vessel, and any data, assumptions, and procedures used to make the determination for the tank to be Group 2. Keep the records as long as the storage vessel retains Group 2 status and is in operation. Subpart CC. [40 CFR 63.654(h), 40 CFR 63.654(i)(iv)]
- 29 [LAC 33:III.5109.A] Compliance with all the applicable requirements of NESHAP, 40 CFR 63, Subpart CC is considered compliance with all the applicable requirements of LAC 33:III.5109.A.

EQT0194 1042-95, Fixed Roof Tank F-407

- 30 [40 CFR 63.654(h)] Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep readily accessible records showing the dimensions of the storage vessel, an analysis showing the capacity of the storage vessel, and any data, assumptions, and procedures used to make the determination for the tank to be Group 2. Keep the records as long as the storage vessel retains Group 2 status and is in operation. Subpart CC. [40 CFR 63.654(h), 40 CFR 63.654(i)(iv)]
- 31 [LAC 33:III.5109.A] Compliance with all the applicable requirements of NESHAP, 40 CFR 63, Subpart CC is considered compliance with all the applicable requirements of LAC 33:III.5109.A.

EQT0195 1043-95, Fixed Roof Tank F-425

- 32 [40 CFR 63.654(h)] Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep readily accessible records showing the dimensions of the storage vessel, an analysis showing the capacity of the storage vessel, and any data, assumptions, and procedures used to make the determination for the tank to be Group 2. Keep the records as long as the storage vessel retains Group 2 status and is in operation. Subpart CC. [40 CFR 63.654(h), 40 CFR 63.654(i)(iv)]
- 33 [LAC 33:III.5109.A] Compliance with all the applicable requirements of NESHAP, 40 CFR 63, Subpart CC is considered compliance with all the applicable requirements of LAC 33:III.5109.A.

EQT0196 1044-95, Fixed Roof Tank F-450

- 34 [40 CFR 63.654(h)] Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep readily accessible records showing the dimensions of the storage vessel, an analysis showing the capacity of the storage vessel, and any data, assumptions, and procedures used to make the determination for the tank to be Group 2. Keep the records as long as the storage vessel retains Group 2 status and is in operation. Subpart CC. [40 CFR 63.654(h), 40 CFR 63.654(i)(iv)]
- 35 [LAC 33:III.5109.A] Compliance with all the applicable requirements of NESHAP, 40 CFR 63, Subpart CC is considered compliance with all the applicable requirements of LAC 33:III.5109.A.

EQT0197 1045-95, Fixed Roof Tank F-451

SPECIFIC REQUIREMENTS

AI ID: 1406 - Motiva Enterprises LLC - Norco Refinery
Activity Number: PER20020014
Permit Number: 2913-V0
Air - Title V Regular Permit Renewal

EQT0197 1045-95, Fixed Roof Tank F-451

- 36 [40 CFR 63.654(h)] Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep readily accessible records showing the dimensions of the storage vessel, an analysis showing the capacity of the storage vessel, and any data, assumptions, and procedures used to make the determination for the tank to be Group 2. Keep the records as long as the storage vessel retains Group 2 status and is in operation. Subpart CC. [40 CFR 63.654(h), 40 CFR 63.654(i)(iv)]
- 37 [LAC 33:III.5109.A] Compliance with all the applicable requirements of NESHAP, 40 CFR 63, Subpart CC is considered compliance with all the applicable requirements of LAC 33:III.5109.A.

EQT0198 1046-95, Fixed Roof Tank F-453

- 38 [40 CFR 63.654(h)] Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep readily accessible records showing the dimensions of the storage vessel, an analysis showing the capacity of the storage vessel, and any data, assumptions, and procedures used to make the determination for the tank to be Group 2. Keep the records as long as the storage vessel retains Group 2 status and is in operation. Subpart CC. [40 CFR 63.654(h), 40 CFR 63.654(i)(iv)]
- 39 [LAC 33:III.5109.A] Compliance with all the applicable requirements of NESHAP, 40 CFR 63, Subpart CC is considered compliance with all the applicable requirements of LAC 33:III.5109.A.

EQT0199 1047-95, Fixed Roof Tank F-454

- 40 [40 CFR 63.654(h)] Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep readily accessible records showing the dimensions of the storage vessel, an analysis showing the capacity of the storage vessel, and any data, assumptions, and procedures used to make the determination for the tank to be Group 2. Keep the records as long as the storage vessel retains Group 2 status and is in operation. Subpart CC. [40 CFR 63.654(h), 40 CFR 63.654(i)(iv)]
- 41 [LAC 33:III.5109.A] Compliance with all the applicable requirements of NESHAP, 40 CFR 63, Subpart CC is considered compliance with all the applicable requirements of LAC 33:III.5109.A.

EQT0200 1048-95, Fixed Roof Tank F-510

- 42 [40 CFR 63.654(h)] Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep readily accessible records showing the dimensions of the storage vessel, an analysis showing the capacity of the storage vessel, and any data, assumptions, and procedures used to make the determination for the tank to be Group 2. Keep the records as long as the storage vessel retains Group 2 status and is in operation. Subpart CC. [40 CFR 63.654(h), 40 CFR 63.654(i)(iv)]
- 43 [LAC 33:III.5109.A] Compliance with all the applicable requirements of NESHAP, 40 CFR 63, Subpart CC is considered compliance with all the applicable requirements of LAC 33:III.5109.A.

EQT0201 1058-95, Fixed Roof Tank H-436

SPECIFIC REQUIREMENTS

AI ID: 1406 - Motiva Enterprises LLC - Norco Refinery
Activity Number: PER20020014
Permit Number: 2913-V0
Air - Title V Regular Permit Renewal

EQT0201 1058-95, Fixed Roof Tank H-436

- 44 [40 CFR 63.654(h)] Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep readily accessible records showing the dimensions of the storage vessel, an analysis showing the capacity of the storage vessel, and any data, assumptions, and procedures used to make the determination for the tank to be Group 2. Keep the records as long as the storage vessel retains Group 2 status and is in operation. Subpart CC. [40 CFR 63.654(h), 40 CFR 63.654(i)(iv)]
- 45 [LAC 33:III.5109.A] Compliance with all the applicable requirements of NESHAP, 40 CFR 63, Subpart CC is considered compliance with all the applicable requirements of LAC 33:III.5109.A.

EQT0202 1067-95, Fixed Roof Tank F-436

- 46 [40 CFR 63.654(h)] Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep readily accessible records showing the dimensions of the storage vessel, an analysis showing the capacity of the storage vessel, and any data, assumptions, and procedures used to make the determination for the tank to be Group 2. Keep the records as long as the storage vessel retains Group 2 status and is in operation. Subpart CC. [40 CFR 63.654(h), 40 CFR 63.654(i)(iv)]
- 47 [LAC 33:III.5109.A] Compliance with all the applicable requirements of NESHAP, 40 CFR 63, Subpart CC is considered compliance with all the applicable requirements of LAC 33:III.5109.A.

EQT0203 1068-95, Fixed Roof Tank F-438

- 48 [40 CFR 63.654(h)] Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep readily accessible records showing the dimensions of the storage vessel, an analysis showing the capacity of the storage vessel, and any data, assumptions, and procedures used to make the determination for the tank to be Group 2. Keep the records as long as the storage vessel retains Group 2 status and is in operation. Subpart CC. [40 CFR 63.654(h), 40 CFR 63.654(i)(iv)]
- 49 [LAC 33:III.5109.A] Compliance with all the applicable requirements of NESHAP, 40 CFR 63, Subpart CC is considered compliance with all the applicable requirements of LAC 33:III.5109.A.

EQT0204 1069-95, Fixed Roof Tank F-487

- 50 [40 CFR 63.654(h)] Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep readily accessible records showing the dimensions of the storage vessel, an analysis showing the capacity of the storage vessel, and any data, assumptions, and procedures used to make the determination for the tank to be Group 2. Keep the records as long as the storage vessel retains Group 2 status and is in operation. Subpart CC. [40 CFR 63.654(h), 40 CFR 63.654(i)(iv)]
- 51 [LAC 33:III.5109.A] Compliance with all the applicable requirements of NESHAP, 40 CFR 63, Subpart CC is considered compliance with all the applicable requirements of LAC 33:III.5109.A.

EQT0205 1070-95, Fixed Roof Tank F-488

SPECIFIC REQUIREMENTS

AI ID: 1406 - Motiva Enterprises LLC - Norco Refinery
Activity Number: PER20020014
Permit Number: 2913-V0
Air - Title V Regular Permit Renewal

EQT0205 1070-95, Fixed Roof Tank F-488

- 52 [40 CFR 63.654(h)] Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep readily accessible records showing the dimensions of the storage vessel, an analysis showing the capacity of the storage vessel, and any data, assumptions, and procedures used to make the determination for the tank to be Group 2. Keep the records as long as the storage vessel retains Group 2 status and is in operation. Subpart CC. [40 CFR 63.654(h), 40 CFR 63.654(i)(iv)]
- 53 [LAC 33:III.5109.A] Compliance with all the applicable requirements of NESHAP, 40 CFR 63, Subpart CC is considered compliance with all the applicable requirements of LAC 33:III.5109.A.

EQT0206 1074-95, Fixed Roof Tank F-511

- 54 [40 CFR 63.654(h)] Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep readily accessible records showing the dimensions of the storage vessel, an analysis showing the capacity of the storage vessel, and any data, assumptions, and procedures used to make the determination for the tank to be Group 2. Keep the records as long as the storage vessel retains Group 2 status and is in operation. Subpart CC. [40 CFR 63.654(h), 40 CFR 63.654(i)(iv)]
- 55 [LAC 33:III.5109.A] Compliance with all the applicable requirements of NESHAP, 40 CFR 63, Subpart CC is considered compliance with all the applicable requirements of LAC 33:III.5109.A.

EQT0207 1075-95, Fixed Roof Tank F-512

- 56 [40 CFR 63.654(h)] Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep readily accessible records showing the dimensions of the storage vessel, an analysis showing the capacity of the storage vessel, and any data, assumptions, and procedures used to make the determination for the tank to be Group 2. Keep the records as long as the storage vessel retains Group 2 status and is in operation. Subpart CC. [40 CFR 63.654(h), 40 CFR 63.654(i)(iv)]
- 57 [LAC 33:III.5109.A] Compliance with all the applicable requirements of NESHAP, 40 CFR 63, Subpart CC is considered compliance with all the applicable requirements of LAC 33:III.5109.A.

EQT0208 1092-95, Fixed Roof Tank W-416

- 58 [LAC 33:III.5109.A] Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ.

EQT0209 1209-95, External Floating Roof Tank W-414

- 59 [40 CFR 63.654(h)] Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep readily accessible records showing the dimensions of the storage vessel, an analysis showing the capacity of the storage vessel, and any data, assumptions, and procedures used to make the determination for the tank to be Group 2. Keep the records as long as the storage vessel retains Group 2 status and is in operation. Subpart CC. [40 CFR 63.654(h), 40 CFR 63.654(i)(iv)]
- 60 [LAC 33:III.5109.A] Compliance with all the applicable requirements of NESHAP, 40 CFR 63, Subpart CC is considered compliance with all the applicable requirements of LAC 33:III.5109.A.

SPECIFIC REQUIREMENTS**AI ID: 1406 - Motiva Enterprises LLC - Norco Refinery****Activity Number: PER20020014****Permit Number: 2913-V0****Air - Title V Regular Permit Renewal****EQT0210 1210-95, External Floating Roof Tank K-558**

- 61 [40 CFR 63.654(h)] Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep readily accessible records showing the dimensions of the storage vessel, an analysis showing the capacity of the storage vessel, and any data, assumptions, and procedures used to make the determination for the tank to be Group 2. Keep the records as long as the storage vessel retains Group 2 status and is in operation. Subpart CC. [40 CFR 63.654(h), 40 CFR 63.654(i)(iv)]
- 62 [LAC 33:III.5109.A] Compliance with all the applicable requirements of NESHAP, 40 CFR 63, Subpart CC is considered compliance with all the applicable requirements of LAC 33:III.5109.A.

EQT0211 1214-95, External Floating Roof Tank A-412

- 63 [40 CFR 63.646(a)] Comply with the requirements of 40 CFR 63.119 through 63.121, except as provided in 40 CFR 63.646(b) through (l). Subpart CC. [40 CFR 63.646(a)]
- 64 [40 CFR 63.646(f)(1)] If a cover or lid is installed on an opening on a floating roof, keep the cover or lid closed except when it must be open for access. Subpart CC. [40 CFR 63.646(f)(1)]
- 65 [40 CFR 63.646(f)(2)] Set rim space vents to open only when the floating roof is not floating or when the pressure beneath the rim seal exceeds the manufacturer's recommended setting. Subpart CC. [40 CFR 63.646(f)(2)]
- 66 [40 CFR 63.646(f)(3)] Keep automatic bleeder vents closed at all times when the roof is floating except when the roof is being floated off or is being landed on the roof leg supports. Subpart CC. [40 CFR 63.646(f)(3)]
- 67 [40 CFR 63.654(h)(2)(i)] Notify DEQ of the refilling of each Group 1 storage vessel that has been emptied and degassed, in order to afford DEQ the opportunity to have an observer present. Submit notification in writing according to the schedules specified in 40 CFR 63.654(h)(2)(i)(A) through (h)(2)(i)(C). Subpart CC. [40 CFR 63.654(h)(2)(i)]
- 68 [40 CFR 63.654(h)(2)(ii)] Notify DEQ in writing of any seal gap measurements at least 30 calendar days in advance of any gap measurements required by 40 CFR 63.120(b)(1) or (b)(2) of 40 CFR 63 Subpart G. Subpart CC. [40 CFR 63.654(h)(2)(ii)]
- 69 [40 CFR 63.654(i)(1)] Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep the records specified in 40 CFR 63.123 of 40 CFR 63 Subpart G, except as specified in 40 CFR 63.654(i)(1)(i) through (i)(1)(iv). Subpart CC. [40 CFR 63.654(i)(1)]
- 70 [LAC 33:III.2103.B] Equip with a submerged fill pipe.
- 71 [LAC 33:III.2103.D.2.a] Seal closure devices required in LAC 33:III.2103.D shall have no visible holes, tears, or other openings in the seals or seal fabric.
- 72 [LAC 33:III.2103.D.2.b] Seal closure devices required in LAC 33:III.2103.D shall be intact and uniformly in place around the circumference of the floating roof and the tank wall.
- 73 [LAC 33:III.2103.D.2.c] Seal gap area $\leq 1 \text{ in}^2/\text{ft}$ of tank diameter (6.5 $\text{cm}^2/0.3 \text{ m}$), for gaps between the secondary seal and tank wall that exceed $1/8 \text{ inch}$ (0.32 cm) in width.
- 74 [LAC 33:III.2103.D.2.d] Which Months: All Year Statistical Basis: None specified
Seal gap area $\leq 10 \text{ in}^2/\text{ft}$ of tank diameter (65 $\text{cm}^2/0.3 \text{ m}$), for gaps between the primary seal and tank wall that exceed $1/8 \text{ inch}$ (0.32 cm) in width.
- 75 [LAC 33:III.2103.D.2.e] Which Months: All Year Statistical Basis: None specified
Equipment/operational data recordkeeping by electronic or hard copy upon occurrence of event. Keep records of conditions that are not up to the standards described in LAC 33:III.2103.D.2, and the date(s) that the standards are not met. Notify the administrative authority within seven days of noncompliance with LAC 33:III.2103.D.2.

SPECIFIC REQUIREMENTS

AI ID: 1406 - Motiva Enterprises LLC - Norco Refinery

Activity Number: PER20020014

Permit Number: 2913-V0

Air - Title V Regular Permit Renewal

EQT0211 1214-95, External Floating Roof Tank A-412

- 76 [LAC 33:III.2103.D.2.e] Initiate repairs of seals within seven working days of recognition of defective conditions by ordering appropriate parts, to avoid noncompliance with LAC 33:III.2103. Complete repairs within three months of the ordering of the repair parts.
- 77 [LAC 33:III.2103.D.2.e] Primary seals: Seal gap area & width monitored by measurement once every five years at any tank level, provided the roof is off its legs. Which Months: All Year Statistical Basis: None specified
- 78 [LAC 33:III.2103.D.2.e] Secondary Seal or closure mechanism monitored by visual inspection/determination semiannually. Which Months: All Year Statistical Basis: None specified
- 79 [LAC 33:III.2103.D.2.e] Secondary seals: Seal gap area & width monitored by measurement annually at any tank level, provided the roof is off its legs. Which Months: All Year Statistical Basis: None specified
- 80 [LAC 33:III.2103.D.3] Equip all covers, seals, lids, automatic bleeder vents and rim space vents with gaskets.
- 81 [LAC 33:III.2103.D.3] Provide all openings in the external floating roof (except for automatic bleeder vents, rim space vent, and leg sleeves) with a projection below the liquid surface. Equip each opening in the roof (except for automatic bleeder vents, rim space vents, roof drains, and leg sleeves) with a cover, seal or lid that is to be maintained in a closed position at all times except when the device is in actual use. Keep automatic bleeder vents closed at all times except when the roof is being floated off the roof leg supports. Set rim vents to open when the roof is being floated off the roof leg supports or at the manufacturer's recommended setting. Equip any emergency roof drain with a slotted membrane fabric cover or equivalent cover that covers at least 90 percent of the opening.
- 82 [LAC 33:III.2103.D] Equip external floating roof with a primary closure seal, consisting of a liquid mounted seal or a mechanical shoe seal, as defined in LAC 33:III.2103.C.1.a and b.
- 83 [LAC 33:III.2103.D] Equip with an external floating roof consisting of a pontoon type roof, double deck type roof, or external floating cover which will rest or float on the surface of the liquid contents and is equipped with a primary closure seal to close the space between the roof edge and tank wall and a continuous secondary seal (a rim mounted secondary) extending from the floating roof to the tank wall.
- 84 [LAC 33:III.2103.H.1] Determine compliance with LAC 33:III.2103.D.2 using the methods in LAC 33:III.2103.H.1.
- 85 [LAC 33:III.2103.H.3] Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a-e.
- 86 [LAC 33:III.2103.I] Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable.
- 87 [LAC 33:III.5109.A] Compliance with all the applicable requirements of NESHAP, 40 CFR 63, Subpart CC is considered compliance with all the applicable requirements of LAC 33:III.5109.A.

EQT0212 1215-95, External Floating Roof Tank A-413

- 88 [40 CFR 63.646(a)] Comply with the requirements of 40 CFR 63.119 through 63.121, except as provided in 40 CFR 63.646(b) through (l). Subpart CC. [40 CFR 63.646(a)]
- 89 [40 CFR 63.646(f)(1)] If a cover or lid is installed on an opening on a floating roof, keep the cover or lid closed except when it must be open for access. Subpart CC. [40 CFR 63.646(f)(1)]
- 90 [40 CFR 63.646(f)(2)] Set rim space vents to open only when the floating roof is not floating or when the pressure beneath the rim seal exceeds the manufacturer's recommended setting. Subpart CC. [40 CFR 63.646(f)(2)]
- 91 [40 CFR 63.646(f)(3)] Keep automatic bleeder vents closed at all times when the roof is floating except when the roof is being floated off or is being landed on the roof leg supports. Subpart CC. [40 CFR 63.646(f)(3)]

SPECIFIC REQUIREMENTS

AI ID: 1406 - Motiva Enterprises LLC - Norco Refinery
Activity Number: PER20020014
Permit Number: 2913-V0
Air - Title V Regular Permit Renewal

EQI0212 1215-95, External Floating Roof Tank A-413

- 92 [40 CFR 63.654(h)(2)(i)] Notify DEQ of the refilling of each Group 1 storage vessel that has been emptied and degassed, in order to afford DEQ the opportunity to have an observer present. Submit notification in writing according to the schedules specified in 40 CFR 63.654(h)(2)(i)(A) through (h)(2)(i)(C). Subpart CC. [40 CFR 63.654(h)(2)(i)]
- 93 [40 CFR 63.654(h)(2)(ii)] Notify DEQ in writing of any seal gap measurements at least 30 calendar days in advance of any gap measurements required by 40 CFR 63.120(b)(1) or (b)(2) of 40 CFR 63 Subpart G. Subpart CC. [40 CFR 63.654(h)(2)(ii)]
- 94 [40 CFR 63.654(i)(1)] Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep the records specified in 40 CFR 63.123 of 40 CFR 63 Subpart G, except as specified in 40 CFR 63.654(i)(i) through (i)(1)(iv). Subpart CC. [40 CFR 63.654(i)(1)]
- 95 [LAC 33:III.2103.B] Equip with a submerged fill pipe.
- 96 [LAC 33:III.2103.D.2.a] Seal closure devices required in LAC 33:III.2103.D shall have no visible holes, tears, or other openings in the seals or seal fabric.
- 97 [LAC 33:III.2103.D.2.b] Seal closure devices required in LAC 33:III.2103.D shall be intact and uniformly in place around the circumference of the floating roof and the tank wall.
- 98 [LAC 33:III.2103.D.2.c] Seal gap area $\leq 1 \text{ in}^2/\text{ft}$ of tank diameter (6.5 cm²/0.3 m), for gaps between the secondary seal and tank wall that exceed 1/8 inch (0.32 cm) in width.
- 99 [LAC 33:III.2103.D.2.d] Which Months: All Year Statistical Basis: None specified
 Seal gap area $\leq 10 \text{ in}^2/\text{ft}$ of tank diameter (65 cm²/0.3 m), for gaps between the primary seal and tank wall that exceed 1/8 inch (0.32 cm) in width.
- 100 [LAC 33:III.2103.D.2.e] Which Months: All Year Statistical Basis: None specified
 Equipment/operational data recordkeeping by electronic or hard copy upon occurrence of event. Keep records of conditions that are not up to the standards described in LAC 33:III.2103.D.2, and the date(s) that the standards are not met. Notify the administrative authority within seven days of noncompliance with LAC 33:III.2103.D.2.
- 101 [LAC 33:III.2103.D.2.e] Initiate repairs of seals within seven working days of recognition of defective conditions by ordering appropriate parts, to avoid noncompliance with LAC 33:III.2103. Complete repairs within three months of the ordering of the repair parts.
- 102 [LAC 33:III.2103.D.2.e] Primary seals: Seal gap area & width monitored by measurement once every five years at any tank level, provided the roof is off its legs.
 Which Months: All Year Statistical Basis: None specified
- 103 [LAC 33:III.2103.D.2.e] Secondary Seal or closure mechanism monitored by visual inspection/determination semiannually.
 Which Months: All Year Statistical Basis: None specified
- 104 [LAC 33:III.2103.D.2.e] Secondary seals: Seal gap area & width monitored by measurement annually at any tank level, provided the roof is off its legs.
 Which Months: All Year Statistical Basis: None specified
- 105 [LAC 33:III.2103.D.3] Equip all covers, seals, lids, automatic bleeder vents and rim space vents with gaskets.
- 106 [LAC 33:III.2103.D.3] Provide all openings in the external floating roof (except for automatic bleeder vents, rim space vent, and leg sleeves) with a projection below the liquid surface. Equip each opening in the roof (except for automatic bleeder vents, rim space vents, roof drains, and leg sleeves) with a cover, seal or lid that is to be maintained in a closed position at all times except when the device is in actual use. Keep automatic bleeder vents closed at all times except when the roof is being floated off the roof leg supports. Set rim vents to open when the roof is being floated off the roof leg supports or at the manufacturer's recommended setting. Equip any emergency roof drain with a slotted membrane fabric cover or equivalent cover that covers at least 90 percent of the opening.
- 107 [LAC 33:III.2103.D] Equip external floating roof with a primary closure seal, consisting of a liquid mounted seal or a mechanical shoe seal, as defined in LAC 33:III.2103.C.1.a and b.

SPECIFIC REQUIREMENTS

AI ID: 1406 - Motiva Enterprises LLC - Norco Refinery

Activity Number: PER20020014

Permit Number: 2913-V0

Air - Title V Regular Permit Renewal

EQT0212 1215-95, External Floating Roof Tank A-413

- 108 [LAC 33:III.2103.D] Equip with an external floating roof consisting of a pontoon type roof, double deck type roof, or external floating cover which will rest or float on the surface of the liquid contents and is equipped with a primary closure seal to close the space between the roof edge and tank wall and a continuous secondary seal (a rim mounted secondary) extending from the floating roof to the tank wall.
- 109 [LAC 33:III.2103.H.1] Determine compliance with LAC 33:III.2103.D.2 using the methods in LAC 33:III.2103.H.1.
- 110 [LAC 33:III.2103.H.3] Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a-e.
- 111 [LAC 33:III.2103.I] Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable.
- 112 [LAC 33:III.5109.A] Compliance with all the applicable requirements of NESHAP, 40 CFR 63, Subpart CC is considered compliance with all the applicable requirements of LAC 33:III.5109.A.

EQT0213 1216-95, External Floating Roof Tank A-414

- 113 [40 CFR 63.646(a)] Comply with the requirements of 40 CFR 63.119 through 63.121, except as provided in 40 CFR 63.646(b) through (l). Subpart CC. [40 CFR 63.646(a)]
- 114 [40 CFR 63.646(f)(1)] If a cover or lid is installed on an opening on a floating roof, keep the cover or lid closed except when it must be open for access. Subpart CC. [40 CFR 63.646(f)(1)]
- 115 [40 CFR 63.646(f)(2)] Set rim space vents to open only when the floating roof is not floating or when the pressure beneath the rim seal exceeds the manufacturer's recommended setting. Subpart CC. [40 CFR 63.646(f)(2)]
- 116 [40 CFR 63.646(f)(3)] Keep automatic bleeder vents closed at all times when the roof is floating except when the roof is being floated off or is being landed on the roof leg supports. Subpart CC. [40 CFR 63.646(f)(3)]
- 117 [40 CFR 63.654(h)(2)(i)] Notify DEQ of the refilling of each Group 1 storage vessel that has been emptied and degassed, in order to afford DEQ the opportunity to have an observer present. Submit notification in writing according to the schedules specified in 40 CFR 63.654(h)(2)(i)(A) through (h)(2)(i)(C). Subpart CC. [40 CFR 63.654(h)(2)(i)]
- 118 [40 CFR 63.654(h)(2)(ii)] Notify DEQ in writing of any seal gap measurements at least 30 calendar days in advance of any gap measurements required by 40 CFR 63.120(b)(1) or (b)(2) of 40 CFR 63 Subpart G. Subpart CC. [40 CFR 63.654(h)(2)(ii)]
- 119 [40 CFR 63.654(i)(1)] Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep the records specified in 40 CFR 63.123 of 40 CFR 63 Subpart G, except as specified in 40 CFR 63.654(i)(1)(i) through (j)(1)(iv). Subpart CC. [40 CFR 63.654(i)(1)]
- 120 [LAC 33:III.2103.B] Equip with a submerged fill pipe.
- 121 [LAC 33:III.2103.D.2.a] Seal closure devices required in LAC 33:III.2103.D shall have no visible holes, tears, or other openings in the seals or seal fabric.
- 122 [LAC 33:III.2103.D.2.b] Seal closure devices required in LAC 33:III.2103.D shall be intact and uniformly in place around the circumference of the floating roof and the tank wall.
- 123 [LAC 33:III.2103.D.2.c] Seal gap area $\leq 1 \text{ in}^2/\text{ft}$ of tank diameter (6.5 cm²/0.3 m), for gaps between the secondary seal and tank wall that exceed 1/8 inch (0.32 cm) in width.
Which Months: All Year Statistical Basis: None specified
- 124 [LAC 33:III.2103.D.2.d] Seal gap area $\leq 10 \text{ in}^2/\text{ft}$ of tank diameter (65 cm²/0.3 m), for gaps between the primary seal and tank wall that exceed 1/8 inch (0.32 cm) in width.
Which Months: All Year Statistical Basis: None specified

SPECIFIC REQUIREMENTS

AI ID: 1406 - Motiva Enterprises LLC - Norco Refinery
Activity Number: PER20020014
Permit Number: 2913-V0
Air - Title V Regular Permit Renewal

EQ10213 1216-95, External Floating Roof Tank A-414

- 125 [LAC 33:III.2103.D.2.e] Equipment/operational data recordkeeping by electronic or hard copy upon occurrence of event. Keep records of conditions that are not up to the standards described in LAC 33:III.2103.D.2, and the date(s) that the standards are not met. Notify the administrative authority within seven days of noncompliance with LAC 33:III.2103.D.2.
- 126 [LAC 33:III.2103.D.2.e] Initiate repairs of seals within seven working days of recognition of defective conditions by ordering appropriate parts, to avoid noncompliance with LAC 33:III.2103. Complete repairs within three months of the ordering of the repair parts.
- 127 [LAC 33:III.2103.D.2.e] Primary seals: Seal gap area & width monitored by measurement once every five years at any tank level, provided the roof is off its legs. Which Months: All Year Statistical Basis: None specified
- 128 [LAC 33:III.2103.D.2.e] Secondary Seal or closure mechanism monitored by visual inspection/determination semiannually. Which Months: All Year Statistical Basis: None specified
- 129 [LAC 33:III.2103.D.2.e] Secondary seals: Seal gap area & width monitored by measurement annually at any tank level, provided the roof is off its legs. Which Months: All Year Statistical Basis: None specified
- 130 [LAC 33:III.2103.D.3] Equip all covers, seals, lids, automatic bleeder vents and rim space vents with gaskets.
- 131 [LAC 33:III.2103.D.3] Provide all openings in the external floating roof (except for automatic bleeder vents, rim space vent, and leg sleeves) with a projection below the liquid surface. Equip each opening in the roof (except for automatic bleeder vents, rim space vents, roof drains, and leg sleeves) with a cover, seal or lid that is to be maintained in a closed position at all times except when the device is in actual use. Keep automatic bleeder vents closed at all times except when the roof is being floated off the roof leg supports. Set rim vents to open when the roof is being floated off the roof leg supports or at the manufacturer's recommended setting. Equip any emergency roof drain with a slotted membrane fabric cover or equivalent cover that covers at least 90 percent of the opening.
- 132 [LAC 33:III.2103.D] Equip external floating roof with a primary closure seal, consisting of a liquid mounted seal or a mechanical shoe seal, as defined in LAC 33:III.2103.C.1.a and b.
- 133 [LAC 33:III.2103.D] Equip with an external floating roof consisting of a pontoon type roof, double deck type roof, or external floating cover which will rest or float on the surface of the liquid contents and is equipped with a primary closure seal to close the space between the roof edge and tank wall and a continuous secondary seal (a rim mounted secondary) extending from the floating roof to the tank wall.
- 134 [LAC 33:III.2103.H.1] Determine compliance with LAC 33:III.2103.D.2 using the methods in LAC 33:III.2103.H.1.
- 135 [LAC 33:III.2103.H.3] Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a-e.
- 136 [LAC 33:III.2103.I] Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable.
- 137 [LAC 33:III.5109.A] Compliance with all the applicable requirements of NESHAP, 40 CFR 63, Subpart CC is considered compliance with all the applicable requirements of LAC 33:III.5109.A.

EQ10214 1217-95, External Floating Roof Tank A-415

- 138 [40 CFR 63.646(a)] Comply with the requirements of 40 CFR 63.119 through 63.121, except as provided in 40 CFR 63.646(b) through (l). Subpart CC. [40 CFR 63.646(a)]
- 139 [40 CFR 63.646(f)(1)] If a cover or lid is installed on an opening on a floating roof, keep the cover or lid closed except when it must be open for access. Subpart CC. [40 CFR 63.646(f)(1)]
- 140 [40 CFR 63.646(f)(2)] Set rim space vents to open only when the floating roof is not floating or when the pressure beneath the rim seal exceeds the manufacturer's recommended setting. Subpart CC. [40 CFR 63.646(f)(2)]

SPECIFIC REQUIREMENTS

AI ID: 1406 - Motiva Enterprises LLC - Norco Refinery

Activity Number: PER20020014

Permit Number: 2913-V0

Air - Title V Regular Permit Renewal

EQT0214 1217-95, External Floating Roof Tank A-415

- 141 [40 CFR 63.646(f)(3)] Keep automatic bleeder vents closed at all times when the roof is floating except when the roof is being floated off or is being landed on the roof leg supports. Subpart CC. [40 CFR 63.646(f)(3)]
- 142 [40 CFR 63.654(h)(2)(i)] Notify DEQ of the refilling of each Group 1 storage vessel that has been emptied and degassed, in order to afford DEQ the opportunity to have an observer present. Submit notification in writing according to the schedules specified in 40 CFR 63.654(h)(2)(i)(A) through (h)(2)(i)(C). Subpart CC. [40 CFR 63.654(h)(2)(i)]
- 143 [40 CFR 63.654(h)(2)(ii)] Notify DEQ in writing of any seal gap measurements at least 30 calendar days in advance of any gap measurements required by 40 CFR 63.120(b)(1) or (b)(2) of 40 CFR 63 Subpart G. Subpart CC. [40 CFR 63.654(h)(2)(ii)]
- 144 [40 CFR 63.654(i)(1)] Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep the records specified in 40 CFR 63.123 of 40 CFR 63 Subpart G, except as specified in 40 CFR 63.654(i)(1)(i) through (i)(1)(iv). Subpart CC. [40 CFR 63.654(i)(1)]
- 145 [LAC 33-III.2103.B] Equip with a submerged fill pipe.
- 146 [LAC 33-III.2103.D.2.a] Seal closure devices required in LAC 33-III.2103.D shall have no visible holes, tears, or other openings in the seals or seal fabric.
- 147 [LAC 33-III.2103.D.2.b] Seal closure devices required in LAC 33-III.2103.D shall be intact and uniformly in place around the circumference of the floating roof and the tank wall.
- 148 [LAC 33-III.2103.D.2.c] Seal gap area $\leq 1 \text{ in}^2/\text{ft}$ of tank diameter (6.5 cm²/0.3 m), for gaps between the secondary seal and tank wall that exceed 1/8 inch (0.32 cm) in width.
- 149 [LAC 33-III.2103.D.2.d] Which Months: All Year Statistical Basis: None specified
Seal gap area $\leq 10 \text{ in}^2/\text{ft}$ of tank diameter (65 cm²/0.3 m), for gaps between the primary seal and tank wall that exceed 1/8 inch (0.32 cm) in width.
- 150 [LAC 33-III.2103.D.2.e] Which Months: All Year Statistical Basis: None specified
Equipment/operational data recordkeeping by electronic or hard copy upon occurrence of event. Keep records of conditions that are not up to the standards described in LAC 33-III.2103.D.2, and the date(s) that the standards are not met. Notify the administrative authority within seven days of noncompliance with LAC 33-III.2103.D.2.
- 151 [LAC 33-III.2103.D.2.e] Initiate repairs of seals within seven working days of recognition of defective conditions by ordering appropriate parts, to avoid noncompliance with LAC 33-III.2103. Complete repairs within three months of the ordering of the repair parts.
- 152 [LAC 33-III.2103.D.2.e] Primary seals: Seal gap area & width monitored by measurement once every five years at any tank level, provided the roof is off its legs.
Which Months: All Year Statistical Basis: None specified
Secondary Seal or closure mechanism monitored by visual inspection/determination semiannually.
- 153 [LAC 33-III.2103.D.2.e] Which Months: All Year Statistical Basis: None specified
Secondary seals: Seal gap area & width monitored by measurement annually at any tank level, provided the roof is off its legs.
- 154 [LAC 33-III.2103.D.2.e] Which Months: All Year Statistical Basis: None specified
Equip all covers, seals, lids, automatic bleeder vents and rim space vents with gaskets.
- 155 [LAC 33-III.2103.D.3] Provide all openings in the external floating roof (except for automatic bleeder vents, rim space vent, and leg sleeves) with a projection below the liquid surface. Equip each opening in the roof (except for automatic bleeder vents, rim space vents, roof drains, and leg sleeves) with a cover, seal or lid that is to be maintained in a closed position at all times except when the device is in actual use. Keep automatic bleeder vents closed at all times except when the roof is being floated off the roof leg supports. Set rim vents to open when the roof is being floated off the roof leg supports or at the manufacturer's recommended setting. Equip any emergency roof drain with a slotted membrane fabric cover or equivalent cover that covers at least 90 percent of the opening.
- 156 [LAC 33-III.2103.D.3]

SPECIFIC REQUIREMENTS

AI ID: 1406 - Motiva Enterprises LLC - Norco Refinery

Activity Number: PER20020014

Permit Number: 2913-V0

Air - Title V Regular Permit Renewal

EQT0214 1217-95, External Floating Roof Tank A-415

- 157 [LAC 33:III.2103.D] Equip external floating roof with a primary closure seal, consisting of a liquid mounted seal or a mechanical shoe seal, as defined in LAC 33:III.2103.C.1.a and b.
- 158 [LAC 33:III.2103.D] Equip with an external floating roof consisting of a pontoon type roof, double deck type roof, or external floating cover which will rest or float on the surface of the liquid contents and is equipped with a primary closure seal to close the space between the roof edge and tank wall and a continuous secondary seal (a rim mounted secondary) extending from the floating roof to the tank wall.
- 159 [LAC 33:III.2103.H.1] Determine compliance with LAC 33:III.2103.D.2 using the methods in LAC 33:III.2103.H.1.
- 160 [LAC 33:III.2103.H.3] Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a-e.
- 161 [LAC 33:III.2103.I] Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable.
- 162 [LAC 33:III.5109.A] Compliance with all the applicable requirements of NESHAP, 40 CFR 63, Subpart CC is considered compliance with all the applicable requirements of LAC 33:III.5109.A.

EQT0215 1218-95, External Floating Roof Tank A-416

- 163 [40 CFR 63.646(a)] Comply with the requirements of 40 CFR 63.119 through 63.121, except as provided in 40 CFR 63.646(b) through (l). Subpart CC. [40 CFR 63.646(a)]
- 164 [40 CFR 63.646(f)(1)] If a cover or lid is installed on an opening on a floating roof, keep the cover or lid closed except when it must be open for access. Subpart CC. [40 CFR 63.646(f)(1)]
- 165 [40 CFR 63.646(f)(2)] Set rim space vents to open only when the floating roof is not floating or when the pressure beneath the rim seal exceeds the manufacturer's recommended setting. Subpart CC. [40 CFR 63.646(f)(2)]
- 166 [40 CFR 63.646(f)(3)] Keep automatic bleeder vents closed at all times when the roof is floating except when the roof is being floated off or is being landed on the roof leg supports. Subpart CC. [40 CFR 63.646(f)(3)]
- 167 [40 CFR 63.654(h)(2)(i)] Notify DEQ of the refilling of each Group 1 storage vessel that has been emptied and degassed, in order to afford DEQ the opportunity to have an observer present. Submit notification in writing according to the schedules specified in 40 CFR 63.654(h)(2)(i)(A) through (h)(2)(i)(C). Subpart CC. [40 CFR 63.654(h)(2)(i)]
- 168 [40 CFR 63.654(h)(2)(ii)] Notify DEQ in writing of any seal gap measurements at least 30 calendar days in advance of any gap measurements required by 40 CFR 63.120(b)(1) or (b)(2) of 40 CFR 63 Subpart G. Subpart CC. [40 CFR 63.654(h)(2)(ii)]
- 169 [40 CFR 63.654(i)(1)] Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep the records specified in 40 CFR 63.123 of 40 CFR 63 Subpart G, except as specified in 40 CFR 63.654(i)(1)(i) through (i)(iv). Subpart CC. [40 CFR 63.654(i)(1)]
- 170 [LAC 33:III.2103.B] Equip with a submerged fill pipe.
- 171 [LAC 33:III.2103.D.2.a] Seal closure devices required in LAC 33:III.2103.D shall have no visible holes, tears, or other openings in the seals or seal fabric.
- 172 [LAC 33:III.2103.D.2.b] Seal closure devices required in LAC 33:III.2103.D shall be intact and uniformly in place around the circumference of the floating roof and the tank wall.
- 173 [LAC 33:III.2103.D.2.c] Seal gap area ≤ 1 in²/ft of tank diameter (6.5 cm²/0.3 m), for gaps between the secondary seal and tank wall that exceed 1/8 inch (0.32 cm) in width.
Which Months: All Year Statistical Basis: None specified

SPECIFIC REQUIREMENTS

AI ID: 1406 - Motiva Enterprises LLC - Norco Refinery
Activity Number: PER20020014
Permit Number: 2913-V0
Air - Title V Regular Permit Renewal

EQI0215 1218-95, External Floating Roof Tank A-416

- 174 [LAC 33:III.2103.D.2.d] Seal gap area $\leq 10 \text{ in}^2/\text{ft}$ of tank diameter (65 cm²/0.3 m), for gaps between the primary seal and tank wall that exceed 1/8 inch (0.32 cm) in width.
- 175 [LAC 33:III.2103.D.2.e] Which Months: All Year Statistical Basis: None specified
 Equipment/operational data recordkeeping by electronic or hard copy upon occurrence of event. Keep records of conditions that are not up to the standards described in LAC 33:III.2103.D.2, and the date(s) that the standards are not met. Notify the administrative authority within seven days of noncompliance with LAC 33:III.2103.D.2.
- 176 [LAC 33:III.2103.D.2.e] Initiate repairs of seals within seven working days of recognition of defective conditions by ordering appropriate parts, to avoid noncompliance with LAC 33:III.2103. Complete repairs within three months of the ordering of the repair parts.
- 177 [LAC 33:III.2103.D.2.e] Primary seals: Seal gap area & width monitored by measurement once every five years at any tank level, provided the roof is off its legs.
 Which Months: All Year Statistical Basis: None specified
 Secondary Seal or closure mechanism monitored by visual inspection/determination semiannually.
- 178 [LAC 33:III.2103.D.2.e] Which Months: All Year Statistical Basis: None specified
 Secondary seals: Seal gap area & width monitored by measurement annually at any tank level, provided the roof is off its legs.
- 179 [LAC 33:III.2103.D.2.e] Which Months: All Year Statistical Basis: None specified
 Equip all covers, seals, lids, automatic bleeder vents and rim space vents with gaskets.
- 180 [LAC 33:III.2103.D.3] Provide all openings in the external floating roof (except for automatic bleeder vents, rim space vent, and leg sleeves) with a projection below the liquid surface. Equip each opening in the roof (except for automatic bleeder vents, rim space vents, roof drains, and leg sleeves) with a cover, seal or lid that is to be maintained in a closed position at all times except when the device is in actual use. Keep automatic bleeder vents closed at all times except when the roof is being floated off the roof leg supports. Set rim vents to open when the roof is being floated off the roof leg supports or at the manufacturer's recommended setting. Equip any emergency roof drain with a slotted membrane fabric cover or equivalent cover that covers at least 90 percent of the opening.
- 181 [LAC 33:III.2103.D.3] Equip external floating roof with a primary closure seal, consisting of a liquid mounted seal or a mechanical shoe seal, as defined in LAC 33:III.2103.C.1.a and b.
- 182 [LAC 33:III.2103.D] Equip with an external floating roof consisting of a pontoon type roof, double deck type roof, or external floating cover which will rest or float on the surface of the liquid contents and is equipped with a primary closure seal to close the space between the roof edge and tank wall and a continuous secondary seal (a rim mounted secondary) extending from the floating roof to the tank wall.
- 183 [LAC 33:III.2103.D] Determine compliance with LAC 33:III.2103.D.2 using the methods in LAC 33:III.2103.H.1.
- 184 [LAC 33:III.2103.H.1] Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a-e.
- 185 [LAC 33:III.2103.H.3] Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable.
- 186 [LAC 33:III.2103.I] Compliance with all the applicable requirements of NESHAP, 40 CFR 63, Subpart CC is considered compliance with all the applicable requirements of LAC 33:III.5109.A.
- 187 [LAC 33:III.5109.A]

EQI0216 1219-95, External Floating Roof Tank A-417

- 188 [40 CFR 63.646(a)] Comply with the requirements of 40 CFR 63.119 through 63.121, except as provided in 40 CFR 63.646(b) through (l). Subpart CC. [40 CFR 63.646(a)]

SPECIFIC REQUIREMENTS

AI ID: 1406 - Motiva Enterprises LLC - Norco Refinery
Activity Number: PER20020014
Permit Number: 2913-V0
Air - Title V Regular Permit Renewal

EQ10216 1219-95, External Floating Roof Tank A-417

- 189 [40 CFR 63.646(f)(1)] If a cover or lid is installed on an opening on a floating roof, keep the cover or lid closed except when it must be open for access. Subpart CC. [40 CFR 63.646(f)(1)]
- 190 [40 CFR 63.646(f)(2)] Set rim space vents to open only when the floating roof is not floating or when the pressure beneath the rim seal exceeds the manufacturer's recommended setting. Subpart CC. [40 CFR 63.646(f)(2)]
- 191 [40 CFR 63.646(f)(3)] Keep automatic bleeder vents closed at all times when the roof is floating except when the roof is being floated off or is being landed on the roof leg supports. Subpart CC. [40 CFR 63.646(f)(3)]
- 192 [40 CFR 63.654(h)(2)(i)] Notify DEQ of the refilling of each Group 1 storage vessel that has been emptied and degassed, in order to afford DEQ the opportunity to have an observer present. Submit notification in writing according to the schedules specified in 40 CFR 63.654(h)(2)(A) through (h)(2)(i)(C). Subpart CC. [40 CFR 63.654(h)(2)(i)]
- 193 [40 CFR 63.654(h)(2)(ii)] Notify DEQ in writing of any seal gap measurements at least 30 calendar days in advance of any gap measurements required by 40 CFR 63.120(b)(1) or (b)(2) of 40 CFR 63 Subpart G. Subpart CC. [40 CFR 63.654(h)(2)(ii)]
- 194 [40 CFR 63.654(i)(1)] Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep the records specified in 40 CFR 63.123 of 40 CFR 63 Subpart G, except as specified in 40 CFR 63.654(i)(1)(i) through (i)(1)(iv). Subpart CC. [40 CFR 63.654(i)(1)]
- 195 [LAC 33:III.2103.B] Equip with a submerged fill pipe.
- 196 [LAC 33:III.2103.D.2.a] Seal closure devices required in LAC 33:III.2103.D shall have no visible holes, tears, or other openings in the seals or seal fabric.
- 197 [LAC 33:III.2103.D.2.b] Seal closure devices required in LAC 33:III.2103.D shall be intact and uniformly in place around the circumference of the floating roof and the tank wall.
- 198 [LAC 33:III.2103.D.2.c] Seal gap area $\leq 1 \text{ in}^2/\text{ft}$ of tank diameter (6.5 cm²/0.3 m), for gaps between the secondary seal and tank wall that exceed 1/8 inch (0.32 cm) in width.
- 199 [LAC 33:III.2103.D.2.d] Which Months: All Year Statistical Basis: None specified
 Seal gap area $\leq 10 \text{ in}^2/\text{ft}$ of tank diameter (65 cm²/0.3 m), for gaps between the primary seal and tank wall that exceed 1/8 inch (0.32 cm) in width.
- 200 [LAC 33:III.2103.D.2.e] Which Months: All Year Statistical Basis: None specified
 Equipment/operational data recordkeeping by electronic or hard copy upon occurrence of event. Keep records of conditions that are not up to the standards described in LAC 33:III.2103.D.2, and the date(s) that the standards are not met. Notify the administrative authority within seven days of noncompliance with LAC 33:III.2103.D.2.
- 201 [LAC 33:III.2103.D.2.e] Initiate repairs of seals within seven working days of recognition of defective conditions by ordering appropriate parts, to avoid noncompliance with LAC 33:III.2103. Complete repairs within three months of the ordering of the repair parts.
- 202 [LAC 33:III.2103.D.2.e] Primary seals: Seal gap area & width monitored by measurement once every five years at any tank level, provided the roof is off its legs.
 Which Months: All Year Statistical Basis: None specified
- 203 [LAC 33:III.2103.D.2.e] Secondary Seal or closure mechanism monitored by visual inspection/determination semiannually.
 Which Months: All Year Statistical Basis: None specified
- 204 [LAC 33:III.2103.D.2.e] Secondary seals: Seal gap area & width monitored by measurement annually at any tank level, provided the roof is off its legs.
 Which Months: All Year Statistical Basis: None specified
- 205 [LAC 33:III.2103.D.3] Equip all covers, seals, lids, automatic bleeder vents and rim space vents with gaskets.

SPECIFIC REQUIREMENTS

AI ID: 1406 - Motiva Enterprises LLC - Norco Refinery

Activity Number: PER20020014

Permit Number: 2913-V0

Air - Title V Regular Permit Renewal

EQ10216 1219-95, External Floating Roof Tank A-417

- 206 [LAC 33:III.2103.D.3] Provide all openings in the external floating roof (except for automatic bleeder vents, rim space vent, and leg sleeves) with a projection below the liquid surface. Equip each opening in the roof (except for automatic bleeder vents, rim space vents, roof drains, and leg sleeves) with a cover, seal or lid that is to be maintained in a closed position at all times except when the device is in actual use. Keep automatic bleeder vents closed at all times except when the roof is being floated off the roof leg supports. Set rim vents to open when the roof is being floated off the roof leg supports or at the manufacturer's recommended setting. Equip any emergency roof drain with a slotted membrane fabric cover or equivalent cover that covers at least 90 percent of the opening.
- 207 [LAC 33:III.2103.D] Equip external floating roof with a primary closure seal, consisting of a liquid mounted seal or a mechanical shoe seal, as defined in LAC 33:III.2103.C.1.a and b.
- 208 [LAC 33:III.2103.D] Equip with an external floating roof consisting of a pontoon type roof, double deck type roof, or external floating cover which will rest or float on the surface of the liquid contents and is equipped with a primary closure seal to close the space between the roof edge and tank wall and a continuous secondary seal (a rim mounted secondary) extending from the floating roof to the tank wall.
- 209 [LAC 33:III.2103.H.1] Determine compliance with LAC 33:III.2103.D.2 using the methods in LAC 33:III.2103.H.1.
- 210 [LAC 33:III.2103.H.3] Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a-e.
- 211 [LAC 33:III.2103.I] Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable.
- 212 [LAC 33:III.5109.A] Compliance with all the applicable requirements of NESHAP, 40 CFR 63, Subpart CC is considered compliance with all the applicable requirements of LAC 33:III.5109.A.

EQ10217 1220-95, External Floating Roof Tank A-418

- 213 [40 CFR 63.646(a)] Comply with the requirements of 40 CFR 63.119 through 63.121, except as provided in 40 CFR 63.646(b) through (l). Subpart CC. [40 CFR 63.646(a)]
- 214 [40 CFR 63.646(f)(1)] If a cover or lid is installed on an opening on a floating roof, keep the cover or lid closed except when it must be open for access. Subpart CC. [40 CFR 63.646(f)(1)]
- 215 [40 CFR 63.646(f)(2)] Set rim space vents to open only when the floating roof is not floating or when the pressure beneath the rim seal exceeds the manufacturer's recommended setting. Subpart CC. [40 CFR 63.646(f)(2)]
- 216 [40 CFR 63.646(f)(3)] Keep automatic bleeder vents closed at all times when the roof is floating except when the roof is being floated off or is being landed on the roof leg supports. Subpart CC. [40 CFR 63.646(f)(3)]
- 217 [40 CFR 63.654(h)(2)(i)] Notify DEQ of the refilling of each Group 1 storage vessel that has been emptied and degassed, in order to afford DEQ the opportunity to have an observer present. Submit notification in writing according to the schedules specified in 40 CFR 63.654(h)(2)(i)(A) through (h)(2)(i)(C). Subpart CC. [40 CFR 63.654(h)(2)(i)]
- 218 [40 CFR 63.654(h)(2)(ii)] Notify DEQ in writing of any seal gap measurements at least 30 calendar days in advance of any gap measurements required by 40 CFR 63.120(b)(1) or (b)(2) of 40 CFR 63 Subpart G. Subpart CC. [40 CFR 63.654(h)(2)(ii)]
- 219 [40 CFR 63.654(i)(1)] Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep the records specified in 40 CFR 63.123 of 40 CFR 63 Subpart G, except as specified in 40 CFR 63.654(i)(1)(i) through (i)(1)(iv). Subpart CC. [40 CFR 63.654(i)(1)]
- 220 [LAC 33:III.2103.B] Equip with a submerged fill pipe.
- 221 [LAC 33:III.2103.D.2.a] Seal closure devices required in LAC 33:III.2103.D shall have no visible holes, tears, or other openings in the seals or seal fabric.

SPECIFIC REQUIREMENTS

AI ID: 1406 - Motiva Enterprises LLC - Norco Refinery
Activity Number: PER20020014
Permit Number: 2913-V0
Air - Title V Regular Permit Renewal

EQ10217 1220-95, External Floating Roof Tank A-418

- 222 [LAC 33:III.2103.D.2.b] Seal closure devices required in LAC 33:III.2103.D shall be intact and uniformly in place around the circumference of the floating roof and the tank wall.
- 223 [LAC 33:III.2103.D.2.c] Seal gap area $\leq 1 \text{ in}^2/\text{ft}$ of tank diameter (6.5 cm²/0.3 m), for gaps between the secondary seal and tank wall that exceed 1/8 inch (0.32 cm) in width.
- 224 [LAC 33:III.2103.D.2.d] Seal gap area $\leq 10 \text{ in}^2/\text{ft}$ of tank diameter (65 cm²/0.3 m), for gaps between the primary seal and tank wall that exceed 1/8 inch (0.32 cm) in width.
 Which Months: All Year Statistical Basis: None specified
- 225 [LAC 33:III.2103.D.2.e] Equipment/operational data recordkeeping by electronic or hard copy upon occurrence of event. Keep records of conditions that are not up to the standards described in LAC 33:III.2103.D.2, and the date(s) that the standards are not met. Notify the administrative authority within seven days of noncompliance with LAC 33:III.2103.D.2.
 Which Months: All Year Statistical Basis: None specified
- 226 [LAC 33:III.2103.D.2.e] Initiate repairs of seals within seven working days of recognition of defective conditions by ordering appropriate parts, to avoid noncompliance with LAC 33:III.2103. Complete repairs within three months of the ordering of the repair parts.
- 227 [LAC 33:III.2103.D.2.e] Primary seals: Seal gap area & width monitored by measurement once every five years at any tank level, provided the roof is off its legs.
 Which Months: All Year Statistical Basis: None specified
- 228 [LAC 33:III.2103.D.2.e] Secondary Seal or closure mechanism monitored by visual inspection/determination semiannually.
 Which Months: All Year Statistical Basis: None specified
- 229 [LAC 33:III.2103.D.2.e] Secondary seals: Seal gap area & width monitored by measurement annually at any tank level, provided the roof is off its legs.
 Which Months: All Year Statistical Basis: None specified
- 230 [LAC 33:III.2103.D.3]
- 231 [LAC 33:III.2103.D.3] Equip all covers, seals, lids, automatic bleeder vents and rim space vents with gaskets.
 Provide all openings in the external floating roof (except for automatic bleeder vents, rim space vents, roof drains, and leg sleeves) with a projection below the liquid surface. Equip each opening in the roof (except for automatic bleeder vents, rim space vents, roof drains, and leg sleeves) with a cover, seal or lid that is to be maintained in a closed position at all times except when the device is in actual use. Keep automatic bleeder vents closed at all times except when the roof is being floated off the roof leg supports. Set rim vents to open when the roof is being floated off the roof leg supports or at the manufacturer's recommended setting. Equip any emergency roof drain with a slotted membrane fabric cover or equivalent cover that covers at least 90 percent of the opening.
- 232 [LAC 33:III.2103.D] Equip external floating roof with a primary closure seal, consisting of a liquid mounted seal or a mechanical shoe seal, as defined in LAC 33:III.2103.C.1.a and b.
- 233 [LAC 33:III.2103.D] Equip with an external floating roof consisting of a pontoon type roof, double deck type roof, or external floating cover which will rest or float on the surface of the liquid contents and is equipped with a primary closure seal to close the space between the roof edge and tank wall and a continuous secondary seal (a rim mounted secondary) extending from the floating roof to the tank wall.
- 234 [LAC 33:III.2103.H.1] Determine compliance with LAC 33:III.2103.D.2 using the methods in LAC 33:III.2103.H.1.
- 235 [LAC 33:III.2103.H.3] Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a-e.
- 236 [LAC 33:III.2103.I] Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable.
- 237 [LAC 33:III.5109.A] Compliance with all the applicable requirements of NESHAP, 40 CFR 63, Subpart CC is considered compliance with all the applicable requirements of LAC 33:III.5109.A.

SPECIFIC REQUIREMENTS

AI ID: 1406 - Motiva Enterprises LLC - Norco Refinery
Activity Number: PER20020014
Permit Number: 2913-V0
Air - Title V Regular Permit Renewal

EQT0218 1221-95, External Floating Roof Tank A-419

- 238 [40 CFR 63.646(a)] Comply with the requirements of 40 CFR 63.119 through 63.121, except as provided in 40 CFR 63.646(b) through (l). Subpart CC. [40 CFR 63.646(a)]
- 239 [40 CFR 63.646(f)(1)] If a cover or lid is installed on an opening on a floating roof, keep the cover or lid closed except when it must be open for access. Subpart CC. [40 CFR 63.646(f)(1)]
- 240 [40 CFR 63.646(f)(2)] Set rim space vents to open only when the floating roof is not floating or when the pressure beneath the rim seal exceeds the manufacturer's recommended setting. Subpart CC. [40 CFR 63.646(f)(2)]
- 241 [40 CFR 63.646(f)(3)] Keep automatic bleeder vents closed at all times when the roof is floating except when the roof is being floated off or is being landed on the roof leg supports. Subpart CC. [40 CFR 63.646(f)(3)]
- 242 [40 CFR 63.654(h)(2)(i)] Notify DEQ of the refilling of each Group 1 storage vessel that has been emptied and degassed, in order to afford DEQ the opportunity to have an observer present. Submit notification in writing according to the schedules specified in 40 CFR 63.654(h)(2)(i)(A) through (h)(2)(i)(C). Subpart CC. [40 CFR 63.654(h)(2)(i)]
- 243 [40 CFR 63.654(h)(2)(ii)] Notify DEQ in writing of any seal gap measurements at least 30 calendar days in advance of any gap measurements required by 40 CFR 63.120(b)(1) or (b)(2) of 40 CFR 63 Subpart G. Subpart CC. [40 CFR 63.654(h)(2)(ii)]
- 244 [40 CFR 63.654(i)(1)] Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep the records specified in 40 CFR 63.123 of 40 CFR 63 Subpart G, except as specified in 40 CFR 63.654(i)(1)(i) through (i)(1)(iv). Subpart CC. [40 CFR 63.654(i)(1)]
- 245 [LAC 33:III.2103.B] Equip with a submerged fill pipe.
- 246 [LAC 33:III.2103.D.2.a] Seal closure devices required in LAC 33:III.2103.D shall have no visible holes, tears, or other openings in the seals or seal fabric.
- 247 [LAC 33:III.2103.D.2.b] Seal closure devices required in LAC 33:III.2103.D shall be intact and uniformly in place around the circumference of the floating roof and the tank wall.
- 248 [LAC 33:III.2103.D.2.c] Seal gap area $\leq 1 \text{ in}^2/\text{ft}$ of tank diameter (6.5 cm²/0.3 m), for gaps between the secondary seal and tank wall that exceed 1/8 inch (0.32 cm) in width.
- 249 [LAC 33:III.2103.D.2.d] Which Months: All Year Statistical Basis: None specified
 Seal gap area $\leq 10 \text{ in}^2/\text{ft}$ of tank diameter (65 cm²/0.3 m), for gaps between the primary seal and tank wall that exceed 1/8 inch (0.32 cm) in width.
- 250 [LAC 33:III.2103.D.2.e] Which Months: All Year Statistical Basis: None specified
 Equipment/operational data recordkeeping by electronic or hard copy upon occurrence of event. Keep records of conditions that are not up to the standards described in LAC 33:III.2103.D.2, and the date(s) that the standards are not met. Notify the administrative authority within seven days of noncompliance with LAC 33:III.2103.D.2.
- 251 [LAC 33:III.2103.D.2.e] Initiate repairs of seals within seven working days of recognition of defective conditions by ordering appropriate parts, to avoid noncompliance with LAC 33:III.2103. Complete repairs within three months of the ordering of the repair parts.
- 252 [LAC 33:III.2103.D.2.e] Primary seals: Seal gap area & width monitored by measurement once every five years at any tank level, provided the roof is off its legs.
 Which Months: All Year Statistical Basis: None specified
- 253 [LAC 33:III.2103.D.2.e] Secondary Seal or closure mechanism monitored by visual inspection/determination semiannually.
 Which Months: All Year Statistical Basis: None specified
- 254 [LAC 33:III.2103.D.2.e] Secondary seals: Seal gap area & width monitored by measurement annually at any tank level, provided the roof is off its legs.
 Which Months: All Year Statistical Basis: None specified
- 255 [LAC 33:III.2103.D.3] Equip all covers, seals, lids, automatic bleeder vents and rim space vents with gaskets.

SPECIFIC REQUIREMENTS

AI ID: 1406 - Motiva Enterprises LLC - Norco Refinery

Activity Number: PER20020014

Permit Number: 2913-V0

Air - Title V Regular Permit Renewal

EQI0218 1221-95, External Floating Roof Tank A-419

- 256 [LAC 33:III.2103.D.3] Provide all openings in the external floating roof (except for automatic bleeder vents, rim space vent, and leg sleeves) with a projection below the liquid surface. Equip each opening in the roof (except for automatic bleeder vents, rim space vents, roof drains, and leg sleeves) with a cover, seal or lid that is to be maintained in a closed position at all times except when the device is in actual use. Keep automatic bleeder vents closed at all times except when the roof is being floated off the roof leg supports. Set rim vents to open when the roof is being floated off the roof leg supports or at the manufacturer's recommended setting. Equip any emergency roof drain with a slotted membrane fabric cover or equivalent cover that covers at least 90 percent of the opening.
- 257 [LAC 33:III.2103.D] Equip external floating roof with a primary closure seal, consisting of a liquid mounted seal or a mechanical shoe seal, as defined in LAC 33:III.2103.C.1.a and b.
- 258 [LAC 33:III.2103.D] Equip with an external floating roof consisting of a pontoon type roof, double deck type roof, or external floating cover which will rest or float on the surface of the liquid contents and is equipped with a primary closure seal to close the space between the roof edge and tank wall and a continuous secondary seal (a rim mounted secondary) extending from the floating roof to the tank wall.
- 259 [LAC 33:III.2103.H.1] Determine compliance with LAC 33:III.2103.D.2 using the methods in LAC 33:III.2103.H.1.
- 260 [LAC 33:III.2103.H.3] Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a-e.
- 261 [LAC 33:III.2103.I] Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable.
- 262 [LAC 33:III.5109.A] Compliance with all the applicable requirements of NESHAP, 40 CFR 63, Subpart CC is considered compliance with all the applicable requirements of LAC 33:III.5109.A.

EQI0219 1222-95, External Floating Roof Tank A-420

- 263 [40 CFR 63.640(n)(5)] Group I Overlap: Compliance with all the applicable requirements of NESHAP, 40 CFR 63, Subpart CC is considered compliance with all the applicable requirements of NSPS, 40 CFR 60, Subpart K or Ka. [40 CFR 63.640(n)(5), 40 CFR 60.110a]
- 264 [40 CFR 63.646(a)] Comply with the requirements of 40 CFR 63.119 through 63.121, except as provided in 40 CFR 63.646(b) through (l). Subpart CC. [40 CFR 63.646(a)]
- 265 [40 CFR 63.646(f)(1)] If a cover or lid is installed on an opening on a floating roof, keep the cover or lid closed except when it must be open for access. Subpart CC. [40 CFR 63.646(f)(1)]
- 266 [40 CFR 63.646(f)(2)] Set rim space vents to open only when the floating roof is not floating or when the pressure beneath the rim seal exceeds the manufacturer's recommended setting. Subpart CC. [40 CFR 63.646(f)(2)]
- 267 [40 CFR 63.646(f)(3)] Keep automatic bleeder vents closed at all times when the roof is floating except when the roof is being floated off or is being landed on the roof leg supports. Subpart CC. [40 CFR 63.646(f)(3)]
- 268 [40 CFR 63.654(h)(2)(i)] Notify DEQ of the refilling of each Group I storage vessel that has been emptied and degassed, in order to afford DEQ the opportunity to have an observer present. Submit notification in writing according to the schedules specified in 40 CFR 63.654(h)(2)(i)(A) through (h)(2)(i)(C). Subpart CC. [40 CFR 63.654(h)(2)(i)]
- 269 [40 CFR 63.654(h)(2)(ii)] Notify DEQ in writing of any seal gap measurements at least 30 calendar days in advance of any gap measurements required by 40 CFR 63.120(b)(1) or (b)(2) of 40 CFR 63 Subpart G. Subpart CC. [40 CFR 63.654(h)(2)(ii)]
- 270 [40 CFR 63.654(i)(1)] Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep the records specified in 40 CFR 63.123 of 40 CFR 63 Subpart G, except as specified in 40 CFR 63.654(i)(i) through (i)(1)(iv). Subpart CC. [40 CFR 63.654(i)(1)]

SPECIFIC REQUIREMENTS

AI ID: 1406 - Motiva Enterprises LLC - Norco Refinery

Activity Number: PER20020014

Permit Number: 2913-V0

Air - Title V Regular Permit Renewal

EQ10219 1222-95, External Floating Roof Tank A-420

- 271 [LAC 33:III.2103.B] Equip with a submerged fill pipe.
- 272 [LAC 33:III.2103.D.2.a] Seal closure devices required in LAC 33:III.2103.D shall have no visible holes, tears, or other openings in the seals or seal fabric.
- 273 [LAC 33:III.2103.D.2.b] Seal closure devices required in LAC 33:III.2103.D shall be intact and uniformly in place around the circumference of the floating roof and the tank wall.
- 274 [LAC 33:III.2103.D.2.c] Seal gap area ≤ 1 in²/ft of tank diameter (6.5 cm²/0.3 m), for gaps between the secondary seal and tank wall that exceed 1/8 inch (0.32 cm) in width.
- 275 [LAC 33:III.2103.D.2.d] Which Months: All Year Statistical Basis: None specified
Seal gap area ≤ 10 in²/ft of tank diameter (65 cm²/0.3 m), for gaps between the primary seal and tank wall that exceed 1/8 inch (0.32 cm) in width.
- 276 [LAC 33:III.2103.D.2.e] Which Months: All Year Statistical Basis: None specified
Equipment/operational data recordkeeping by electronic or hard copy upon occurrence of event. Keep records of conditions that are not up to the standards described in LAC 33:III.2103.D.2, and the date(s) that the standards are not met. Notify the administrative authority within seven days of noncompliance with LAC 33:III.2103.D.2.
- 277 [LAC 33:III.2103.D.2.e] Initiate repairs of seals within seven working days of recognition of defective conditions by ordering appropriate parts, to avoid noncompliance with LAC 33:III.2103. Complete repairs within three months of the ordering of the repair parts.
- 278 [LAC 33:III.2103.D.2.e] Primary seals: Seal gap area & width monitored by measurement once every five years at any tank level, provided the roof is off its legs.
Which Months: All Year Statistical Basis: None specified
Secondary Seal or closure mechanism monitored by visual inspection/determination semiannually.
- 279 [LAC 33:III.2103.D.2.e] Which Months: All Year Statistical Basis: None specified
Secondary seals: Seal gap area & width monitored by measurement annually at any tank level, provided the roof is off its legs.
- 280 [LAC 33:III.2103.D.2.e] Which Months: All Year Statistical Basis: None specified
Equip all covers, seals, lids, automatic bleeder vents and rim space vents with gaskets.
- 281 [LAC 33:III.2103.D.3] Provide all openings in the external floating roof (except for automatic bleeder vents, rim space vent, and leg sleeves) with a projection below the liquid surface. Equip each opening in the roof (except for automatic bleeder vents, rim space vents, roof drains, and leg sleeves) with a cover, seal or lid that is to be maintained in a closed position at all times except when the device is in actual use. Keep automatic bleeder vents closed at all times except when the roof is being floated off the roof leg supports. Set rim vents to open when the roof is being floated off the roof leg supports or at the manufacturer's recommended setting. Equip any emergency roof drain with a slotted membrane fabric cover or equivalent cover that covers at least 90 percent of the opening.
- 282 [LAC 33:III.2103.D.3] Equip external floating roof with a primary closure seal, consisting of a liquid mounted seal or a mechanical shoe seal, as defined in LAC 33:III.2103.C.1.a and b.
- 283 [LAC 33:III.2103.D] Equip with an external floating roof consisting of a pontoon type roof, double deck type roof, or external floating cover which will rest or float on the surface of the liquid contents and is equipped with a primary closure seal to close the space between the roof edge and tank wall and a continuous secondary seal (a rim mounted secondary) extending from the floating roof to the tank wall.
- 284 [LAC 33:III.2103.D] Determine compliance with LAC 33:III.2103.D.2 using the methods in LAC 33:III.2103.H.1.
- 285 [LAC 33:III.2103.H.1] Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a-e.
- 286 [LAC 33:III.2103.H.3] Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable.
- 287 [LAC 33:III.2103.I]

SPECIFIC REQUIREMENTS

AI ID: 1406 - Motiva Enterprises LLC - Norco Refinery
Activity Number: PER20020014
Permit Number: 2913-V0
Air - Title V Regular Permit Renewal

EQ10219 1222-95, External Floating Roof Tank A-420

288 [LAC 33:III.5109.A] Compliance with all the applicable requirements of NESHAP, 40 CFR 63, Subpart CC is considered compliance with all the applicable requirements of LAC 33:III.5109.A.

EQ10220 1223-95, External Floating Roof Tank F-468

- 289 [40 CFR 63.646(a)] Comply with the requirements of 40 CFR 63.119 through 63.121, except as provided in 40 CFR 63.646(b) through (l). Subpart CC. [40 CFR 63.646(a)]
- 290 [40 CFR 63.646(f)(1)] If a cover or lid is installed on an opening on a floating roof, keep the cover or lid closed except when it must be open for access. Subpart CC. [40 CFR 63.646(f)(1)]
- 291 [40 CFR 63.646(f)(2)] Set rim space vents to open only when the floating roof is not floating or when the pressure beneath the rim seal exceeds the manufacturer's recommended setting. Subpart CC. [40 CFR 63.646(f)(2)]
- 292 [40 CFR 63.646(f)(3)] Keep automatic bleeder vents closed at all times when the roof is floating except when the roof is being floated off or is being landed on the roof leg supports. Subpart CC. [40 CFR 63.646(f)(3)]
- 293 [40 CFR 63.654(h)(2)(i)] Notify DEQ of the refilling of each Group 1 storage vessel that has been emptied and degassed, in order to afford DEQ the opportunity to have an observer present. Submit notification in writing according to the schedules specified in 40 CFR 63.654(h)(2)(i)(A) through (h)(2)(i)(C). Subpart CC. [40 CFR 63.654(h)(2)(i)]
- 294 [40 CFR 63.654(h)(2)(ii)] Notify DEQ in writing of any seal gap measurements at least 30 calendar days in advance of any gap measurements required by 40 CFR 63.120(b)(1) or (b)(2) of 40 CFR 63 Subpart G. Subpart CC. [40 CFR 63.654(h)(2)(ii)]
- 295 [40 CFR 63.654(i)(1)] Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep the records specified in 40 CFR 63.123 of 40 CFR 63 Subpart G, except as specified in 40 CFR 63.654(i)(1)(i) through (i)(1)(iv). Subpart CC. [40 CFR 63.654(i)(1)]
- 296 [LAC 33:III.2103.B] Equip with a submerged fill pipe.
- 297 [LAC 33:III.2103.D.2.a] Seal closure devices required in LAC 33:III.2103.D shall have no visible holes, tears, or other openings in the seals or seal fabric.
- 298 [LAC 33:III.2103.D.2.b] Seal closure devices required in LAC 33:III.2103.D shall be intact and uniformly in place around the circumference of the floating roof and the tank wall.
- 299 [LAC 33:III.2103.D.2.c] Seal gap area $\leq 1 \text{ in}^2/\text{ft}$ of tank diameter (6.5 $\text{cm}^2/0.3 \text{ m}$), for gaps between the secondary seal and tank wall that exceed 1/8 inch (0.32 cm) in width.
- 300 [LAC 33:III.2103.D.2.d] Seal gap area $\leq 10 \text{ in}^2/\text{ft}$ of tank diameter (65 $\text{cm}^2/0.3 \text{ m}$), for gaps between the primary seal and tank wall that exceed 1/8 inch (0.32 cm) in width.
Which Months: All Year Statistical Basis: None specified
- 301 [LAC 33:III.2103.D.2.e] Equipment/operational data recordkeeping by electronic or hard copy upon occurrence of event. Keep records of conditions that are not up to the standards described in LAC 33:III.2103.D.2, and the date(s) that the standards are not met. Notify the administrative authority within seven days of noncompliance with LAC 33:III.2103.D.2.
Which Months: All Year Statistical Basis: None specified
- 302 [LAC 33:III.2103.D.2.e] Initiate repairs of seals within seven working days of recognition of defective conditions by ordering appropriate parts, to avoid noncompliance with LAC 33:III.2103. Complete repairs within three months of the ordering of the repair parts.
- 303 [LAC 33:III.2103.D.2.e] Primary seals: Seal gap area & width monitored by measurement once every five years at any tank level, provided the roof is off its legs.
Which Months: All Year Statistical Basis: None specified

SPECIFIC REQUIREMENTS

AI ID: 1406 - Motiva Enterprises LLC - Norco Refinery
Activity Number: PER20020014
Permit Number: 2913-V0
Air - Title V Regular Permit Renewal

EQT0220 1223-95, External Floating Roof Tank F-468

- 304 [LAC 33:III.2103.D.2.e] Secondary Seal or closure mechanism monitored by visual inspection/determination semiannually.
Which Months: All Year Statistical Basis: None specified
- 305 [LAC 33:III.2103.D.2.e] Secondary seals: Seal gap area & width monitored by measurement annually at any tank level, provided the roof is off its legs.
Which Months: All Year Statistical Basis: None specified
- 306 [LAC 33:III.2103.D.3] Equip all covers, seals, lids, automatic bleeder vents and rim space vents with gaskets.
- 307 [LAC 33:III.2103.D.3] Provide all openings in the external floating roof (except for automatic bleeder vents, rim space vent, and leg sleeves) with a projection below the liquid surface. Equip each opening in the roof (except for automatic bleeder vents, rim space vents, roof drains, and leg sleeves) with a cover, seal or lid that is to be maintained in a closed position at all times except when the device is in actual use. Keep automatic bleeder vents closed at all times except when the roof is being floated off the roof leg supports. Set rim vents to open when the roof is being floated off the roof leg supports or at the manufacturer's recommended setting. Equip any emergency roof drain with a slotted membrane fabric cover or equivalent cover that covers at least 90 percent of the opening.
- 308 [LAC 33:III.2103.D] Equip external floating roof with a primary closure seal, consisting of a liquid mounted seal or a mechanical shoe seal, as defined in LAC 33:III.2103.C.1.a and b.
- 309 [LAC 33:III.2103.D] Equip with an external floating roof consisting of a pontoon type roof, double deck type roof, or external floating cover which will rest or float on the surface of the liquid contents and is equipped with a primary closure seal to close the space between the roof edge and tank wall and a continuous secondary seal (a rim mounted secondary) extending from the floating roof to the tank wall.
- 310 [LAC 33:III.2103.H.1] Determine compliance with LAC 33:III.2103.D.2 using the methods in LAC 33:III.2103.H.1.
- 311 [LAC 33:III.2103.H.3] Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a-e.
- 312 [LAC 33:III.2103.I] Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable.
- 313 [LAC 33:III.5109.A] Compliance with all the applicable requirements of NESHAP, 40 CFR 63, Subpart CC is considered compliance with all the applicable requirements of LAC 33:III.5109.A.

EQT0221 1225-95, External Floating Roof Tank F-440

- 314 [40 CFR 63.646(a)] Comply with the requirements of 40 CFR 63.119 through 63.121, except as provided in 40 CFR 63.646(b) through (l). Subpart CC. [40 CFR 63.646(a)]
- 315 [40 CFR 63.646(f)(1)] If a cover or lid is installed on an opening on a floating roof, keep the cover or lid closed except when it must be open for access. Subpart CC. [40 CFR 63.646(f)(1)]
- 316 [40 CFR 63.646(f)(2)] Set rim space vents to open only when the floating roof is not floating or when the pressure beneath the rim seal exceeds the manufacturer's recommended setting. Subpart CC. [40 CFR 63.646(f)(2)]
- 317 [40 CFR 63.646(f)(3)] Keep automatic bleeder vents closed at all times when the roof is floating except when the roof is being floated off or is being landed on the roof leg supports. Subpart CC. [40 CFR 63.646(f)(3)]
- 318 [40 CFR 63.654(h)(2)(i)] Notify DEQ of the refilling of each Group 1 storage vessel that has been emptied and degassed, in order to afford DEQ the opportunity to have an observer present. Submit notification in writing according to the schedules specified in 40 CFR 63.654(h)(2)(i)(A) through (h)(2)(i)(C). Subpart CC. [40 CFR 63.654(h)(2)(i)]

SPECIFIC REQUIREMENTS

AI ID: 1406 - Motiva Enterprises LLC - Norco Refinery

Activity Number: PER20020014

Permit Number: 2913-V0

Air - Title V Regular Permit Renewal

EQT0221 1225-95, External Floating Roof Tank F-440

- 319 [40 CFR 63.654(h)(2)(ii)] Notify DEQ in writing of any seal gap measurements at least 30 calendar days in advance of any gap measurements required by 40 CFR 63.120(b)(1) or (b)(2) of 40 CFR 63 Subpart G. Subpart CC. [40 CFR 63.654(h)(2)(ii)]
- 320 [40 CFR 63.654(i)(1)] Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep the records specified in 40 CFR 63.123 of 40 CFR 63 Subpart G, except as specified in 40 CFR 63.654(i)(1)(i) through (i)(1)(iv). Subpart CC. [40 CFR 63.654(i)(1)]
- 321 [LAC 33-III.2103.B] Equip with a submerged fill pipe.
- 322 [LAC 33-III.2103.D.2.a] Seal closure devices required in LAC 33-III.2103.D shall have no visible holes, tears, or other openings in the seals or seal fabric.
- 323 [LAC 33-III.2103.D.2.b] Seal closure devices required in LAC 33-III.2103.D shall be intact and uniformly in place around the circumference of the floating roof and the tank wall.
- 324 [LAC 33-III.2103.D.2.c] Seal gap area $\leq 1 \text{ in}^2/\text{ft}$ of tank diameter (6.5 cm²/0.3 m), for gaps between the secondary seal and tank wall that exceed 1/8 inch (0.32 cm) in width.
- 325 [LAC 33-III.2103.D.2.d] Which Months: All Year Statistical Basis: None specified
Seal gap area $\leq 10 \text{ in}^2/\text{ft}$ of tank diameter (65 cm²/0.3 m), for gaps between the primary seal and tank wall that exceed 1/8 inch (0.32 cm) in width.
- 326 [LAC 33-III.2103.D.2.e] Which Months: All Year Statistical Basis: None specified
Equipment/operational data recordkeeping by electronic or hard copy upon occurrence of event. Keep records of conditions that are not up to the standards described in LAC 33-III.2103.D.2, and the date(s) that the standards are not met. Notify the administrative authority within seven days of noncompliance with LAC 33-III.2103.D.2.
- 327 [LAC 33-III.2103.D.2.e] Initiate repairs of seals within seven working days of recognition of defective conditions by ordering appropriate parts, to avoid noncompliance with LAC 33-III.2103. Complete repairs within three months of the ordering of the repair parts.
- 328 [LAC 33-III.2103.D.2.e] Primary seals: Seal gap area & width monitored by measurement once every five years at any tank level, provided the roof is off its legs.
Which Months: All Year Statistical Basis: None specified
- 329 [LAC 33-III.2103.D.2.e] Secondary Seal or closure mechanism monitored by visual inspection/determination semiannually.
Which Months: All Year Statistical Basis: None specified
- 330 [LAC 33-III.2103.D.2.e] Secondary seals: Seal gap area & width monitored by measurement annually at any tank level, provided the roof is off its legs.
Which Months: All Year Statistical Basis: None specified
- 331 [LAC 33-III.2103.D.3] Equip all covers, seals, lids, automatic bleeder vents and rim space vents with gaskets.
- 332 [LAC 33-III.2103.D.3] Provide all openings in the external floating roof (except for automatic bleeder vents, rim space vent, and leg sleeves) with a projection below the liquid surface. Equip each opening in the roof (except for automatic bleeder vents, rim space vents, roof drains, and leg sleeves) with a cover, seal or lid that is to be maintained in a closed position at all times except when the device is in actual use. Keep automatic bleeder vents closed at all times except when the roof is being floated off the roof leg supports. Set rim vents to open when the roof is being floated off the roof leg supports or at the manufacturer's recommended setting. Equip any emergency roof drain with a slotted membrane fabric cover or equivalent cover that covers at least 90 percent of the opening.
- 333 [LAC 33-III.2103.D.] Equip external floating roof with a primary closure seal, consisting of a liquid mounted seal or a mechanical shoe seal, as defined in LAC 33-III.2103.C.1.a and b.
- 334 [LAC 33-III.2103.D.] Equip with an external floating roof consisting of a pontoon type roof, double deck type roof, or external floating cover which will rest or float on the surface of the liquid contents and is equipped with a primary closure seal to close the space between the roof edge and tank wall and a continuous secondary seal (a rim mounted secondary) extending from the floating roof to the tank wall.

SPECIFIC REQUIREMENTS

AI ID: 1406 - Motiva Enterprises LLC - Norco Refinery

Activity Number: PER20020014

Permit Number: 2913-V0

Air - Title V Regular Permit Renewal

EQT0221 1225-95, External Floating Roof Tank F-440

- 335 [LAC 33:III.2103.H.1] Determine compliance with LAC 33:III.2103.D.2 using the methods in LAC 33:III.2103.H.1.
- 336 [LAC 33:III.2103.H.3] Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a-e.
- 337 [LAC 33:III.2103.I] Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable.
- 338 [LAC 33:III.5109.A] Compliance with all the applicable requirements of NESHAP, 40 CFR 63, Subpart CC is considered compliance with all the applicable requirements of LAC 33:III.5109.A.

EQT0222 1226-95, External Floating Roof Tank F-442

- 339 [40 CFR 63.646(a)] Comply with the requirements of 40 CFR 63.119 through 63.121, except as provided in 40 CFR 63.646(b) through (l). Subpart CC. [40 CFR 63.646(a)]
- 340 [40 CFR 63.646(f)(1)] If a cover or lid is installed on an opening on a floating roof, keep the cover or lid closed except when it must be open for access. Subpart CC. [40 CFR 63.646(f)(1)]
- 341 [40 CFR 63.646(f)(2)] Set rim space vents to open only when the floating roof is not floating or when the pressure beneath the rim seal exceeds the manufacturer's recommended setting. Subpart CC. [40 CFR 63.646(f)(2)]
- 342 [40 CFR 63.646(f)(3)] Keep automatic bleeder vents closed at all times when the roof is floating except when the roof is being floated off or is being landed on the roof leg supports. Subpart CC. [40 CFR 63.646(f)(3)]
- 343 [40 CFR 63.654(h)(2)(i)] Notify DEQ of the refilling of each Group 1 storage vessel that has been emptied and degassed, in order to afford DEQ the opportunity to have an observer present. Submit notification in writing according to the schedules specified in 40 CFR 63.654(h)(2)(i)(A) through (h)(2)(i)(C). Subpart CC. [40 CFR 63.654(h)(2)(i)]
- 344 [40 CFR 63.654(h)(2)(ii)] Notify DEQ in writing of any seal gap measurements at least 30 calendar days in advance of any gap measurements required by 40 CFR 63.120(b)(1) or (b)(2) of 40 CFR 63 Subpart G. Subpart CC. [40 CFR 63.654(h)(2)(ii)]
- 345 [40 CFR 63.654(i)(1)] Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep the records specified in 40 CFR 63.123 of 40 CFR 63 Subpart G, except as specified in 40 CFR 63.654(i)(1)(i) through (i)(1)(iv). Subpart CC. [40 CFR 63.654(i)(1)]
- 346 [LAC 33:III.2103.B] Equip with a submerged fill pipe.
- 347 [LAC 33:III.2103.D.2.a] Seal closure devices required in LAC 33:III.2103.D shall have no visible holes, tears, or other openings in the seals or seal fabric.
- 348 [LAC 33:III.2103.D.2.b] Seal closure devices required in LAC 33:III.2103.D shall be intact and uniformly in place around the circumference of the floating roof and the tank wall.
- 349 [LAC 33:III.2103.D.2.c] Seal gap area $\leq 1 \text{ in}^2/\text{ft}$ of tank diameter (6.5 cm²/0.3 m), for gaps between the secondary seal and tank wall that exceed 1/8 inch (0.32 cm) in width.
- 350 [LAC 33:III.2103.D.2.d] Which Months: All Year Statistical Basis: None specified
Seal gap area $\leq 10 \text{ in}^2/\text{ft}$ of tank diameter (65 cm²/0.3 m), for gaps between the primary seal and tank wall that exceed 1/8 inch (0.32 cm) in width.
- 351 [LAC 33:III.2103.D.2.e] Which Months: All Year Statistical Basis: None specified
Equipment/operational data recordkeeping by electronic or hard copy upon occurrence of event. Keep records of conditions that are not up to the standards described in LAC 33:III.2103.D.2, and the date(s) that the standards are not met. Notify the administrative authority within seven days of noncompliance with LAC 33:III.2103.D.2.

SPECIFIC REQUIREMENTS

AI ID: 1406 - Motiva Enterprises LLC - Norco Refinery
Activity Number: PER20020014
Permit Number: 2913-V0
Air - Title V Regular Permit Renewal

EQ10222 1226-95, External Floating Roof Tank F-442

- 352 [LAC 33:III.2103.D.2.e] Initiate repairs of seals within seven working days of recognition of defective conditions by ordering appropriate parts, to avoid noncompliance with LAC 33:III.2103. Complete repairs within three months of the ordering of the repair parts.
- 353 [LAC 33:III.2103.D.2.e] Primary seals: Seal gap area & width monitored by measurement once every five years at any tank level, provided the roof is off its legs. Which Months: All Year Statistical Basis: None specified
- 354 [LAC 33:III.2103.D.2.e] Secondary Seal or closure mechanism monitored by visual inspection/determination semiannually. Which Months: All Year Statistical Basis: None specified
- 355 [LAC 33:III.2103.D.2.e] Secondary seals: Seal gap area & width monitored by measurement annually at any tank level, provided the roof is off its legs. Which Months: All Year Statistical Basis: None specified
- 356 [LAC 33:III.2103.D.3] Equip all covers, seals, lids, automatic bleeder vents and rim space vents with gaskets.
- 357 [LAC 33:III.2103.D.3] Provide all openings in the external floating roof (except for automatic bleeder vents, rim space vent, and leg sleeves) with a projection below the liquid surface. Equip each opening in the roof (except for automatic bleeder vents, rim space vents, roof drains, and leg sleeves) with a cover, seal or lid that is to be maintained in a closed position at all times except when the device is in actual use. Keep automatic bleeder vents closed at all times except when the roof is being floated off the roof leg supports. Set rim vents to open when the roof is being floated off the roof leg supports or at the manufacturer's recommended setting. Equip any emergency roof drain with a slotted membrane fabric cover or equivalent cover that covers at least 90 percent of the opening.
- 358 [LAC 33:III.2103.D] Equip external floating roof with a primary closure seal, consisting of a liquid mounted seal or a mechanical shoe seal, as defined in LAC 33:III.2103.C.1.a and b.
- 359 [LAC 33:III.2103.D] Equip with an external floating roof consisting of a pontoon type roof, double deck type roof, or external floating cover which will rest or float on the surface of the liquid contents and is equipped with a primary closure seal to close the space between the roof edge and tank wall and a continuous secondary seal (a rim mounted secondary) extending from the floating roof to the tank wall.
- 360 [LAC 33:III.2103.H.1] Determine compliance with LAC 33:III.2103.D.2 using the methods in LAC 33:III.2103.H.1.
- 361 [LAC 33:III.2103.H.3] Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a-e.
- 362 [LAC 33:III.2103.I] Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable.
- 363 [LAC 33:III.5109.A] Compliance with all the applicable requirements of NESHAP, 40 CFR 63, Subpart CC is considered compliance with all the applicable requirements of LAC 33:III.5109.A.

EQ10223 1227-95, External Floating Roof Tank F-455

- 364 [40 CFR 63.646(a)] Comply with the requirements of 40 CFR 63.119 through 63.121, except as provided in 40 CFR 63.646(b) through (l). Subpart CC. [40 CFR 63.646(a)]
- 365 [40 CFR 63.646(f)(1)] If a cover or lid is installed on an opening on a floating roof, keep the cover or lid closed except when it must be open for access. Subpart CC. [40 CFR 63.646(f)(1)]
- 366 [40 CFR 63.646(f)(2)] Set rim space vents to open only when the floating roof is not floating or when the pressure beneath the rim seal exceeds the manufacturer's recommended setting. Subpart CC. [40 CFR 63.646(f)(2)]
- 367 [40 CFR 63.646(f)(3)] Keep automatic bleeder vents closed at all times when the roof is floating except when the roof is being floated off or is being landed on the roof leg supports. Subpart CC. [40 CFR 63.646(f)(3)]

SPECIFIC REQUIREMENTS

AI ID: 1406 - Motiva Enterprises LLC - Norco Refinery
Activity Number: PER20020014
Permit Number: 2913-V0
Air - Title V Regular Permit Renewal

EQ10223 1227-95, External Floating Roof Tank F-455

- 368 [40 CFR 63.654(h)(2)(i)] Notify DEQ of the refilling of each Group 1 storage vessel that has been emptied and degassed, in order to afford DEQ the opportunity to have an observer present. Submit notification in writing according to the schedules specified in 40 CFR 63.654(h)(2)(i)(A) through (h)(2)(i)(C). Subpart CC. [40 CFR 63.654(h)(2)(i)]
- 369 [40 CFR 63.654(h)(2)(ii)] Notify DEQ in writing of any seal gap measurements at least 30 calendar days in advance of any gap measurements required by 40 CFR 63.120(b)(1) or (b)(2) of 40 CFR 63 Subpart G. Subpart CC. [40 CFR 63.654(h)(2)(ii)]
- 370 [40 CFR 63.654(i)(1)] Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep the records specified in 40 CFR 63.123 of 40 CFR 63 Subpart G, except as specified in 40 CFR 63.654(i)(1)(i) through (i)(1)(iv). Subpart CC. [40 CFR 63.654(i)(1)]
- 371 [LAC 33:III.2103.B] Equip with a submerged fill pipe.
- 372 [LAC 33:III.2103.D.2.a] Seal closure devices required in LAC 33:III.2103.D shall have no visible holes, tears, or other openings in the seals or seal fabric.
- 373 [LAC 33:III.2103.D.2.b] Seal closure devices required in LAC 33:III.2103.D shall be intact and uniformly in place around the circumference of the floating roof and the tank wall.
- 374 [LAC 33:III.2103.D.2.c] Seal gap area $\leq 1 \text{ in}^2/\text{ft}$ of tank diameter (6.5 cm²/0.3 m), for gaps between the secondary seal and tank wall that exceed 1/8 inch (0.32 cm) in width.
- 375 [LAC 33:III.2103.D.2.d] Which Months: All Year Statistical Basis: None specified
 Seal gap area $\leq 10 \text{ in}^2/\text{ft}$ of tank diameter (65 cm²/0.3 m), for gaps between the primary seal and tank wall that exceed 1/8 inch (0.32 cm) in width.
- 376 [LAC 33:III.2103.D.2.e] Which Months: All Year Statistical Basis: None specified
 Equipment/operational data recordkeeping by electronic or hard copy upon occurrence of event. Keep records of conditions that are not up to the standards described in LAC 33:III.2103.D.2, and the date(s) that the standards are not met. Notify the administrative authority within seven days of noncompliance with LAC 33:III.2103.D.2.
- 377 [LAC 33:III.2103.D.2.e] Initiate repairs of seals within seven working days of recognition of defective conditions by ordering appropriate parts, to avoid noncompliance with LAC 33:III.2103. Complete repairs within three months of the ordering of the repair parts.
- 378 [LAC 33:III.2103.D.2.e] Primary seals: Seal gap area & width monitored by measurement once every five years at any tank level, provided the roof is off its legs.
 Which Months: All Year Statistical Basis: None specified
- 379 [LAC 33:III.2103.D.2.e] Secondary Seal or closure mechanism monitored by visual inspection/determination semiannually.
 Which Months: All Year Statistical Basis: None specified
- 380 [LAC 33:III.2103.D.2.e] Secondary seals: Seal gap area & width monitored by measurement annually at any tank level, provided the roof is off its legs.
 Which Months: All Year Statistical Basis: None specified
- 381 [LAC 33:III.2103.D.3] Equip all covers, seals, lids, automatic bleeder vents and rim space vents with gaskets.
- 382 [LAC 33:III.2103.D.3] Provide all openings in the external floating roof (except for automatic bleeder vents, rim space vent, and leg sleeves) with a projection below the liquid surface. Equip each opening in the roof (except for automatic bleeder vents, rim space vents, roof drains, and leg sleeves) with a cover, seal or lid that is to be maintained in a closed position at all times except when the device is in actual use. Keep automatic bleeder vents closed at all times except when the roof is being floated off the roof leg supports. Set rim vents to open when the roof is being floated off the roof leg supports or at the manufacturer's recommended setting. Equip any emergency roof drain with a slotted membrane fabric cover or equivalent cover that covers at least 90 percent of the opening.
- 383 [LAC 33:III.2103.D] Equip external floating roof with a primary closure seal, consisting of a liquid mounted seal or a mechanical shoe seal, as defined in LAC 33:III.2103.C.1.a and b.

SPECIFIC REQUIREMENTS

AI ID: 1406 - Motiva Enterprises LLC - Norco Refinery
Activity Number: PER20020014
Permit Number: 2913-V0
Air - Title V Regular Permit Renewal

EQ10223 1227-95, External Floating Roof Tank F-455

- 384 [LAC 33:III.2103.D] Equip with an external floating roof consisting of a pontoon type roof, double deck type roof, or external floating cover which will rest or float on the surface of the liquid contents and is equipped with a primary closure seal to close the space between the roof edge and tank wall and a continuous secondary seal (a rim mounted secondary) extending from the floating roof to the tank wall.
- 385 [LAC 33:III.2103.H.1] Determine compliance with LAC 33:III.2103.D.2 using the methods in LAC 33:III.2103.H.1.
- 386 [LAC 33:III.2103.H.3] Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a-e.
- 387 [LAC 33:III.2103.I] Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable.
- 388 [LAC 33:III.5109.A] Compliance with all the applicable requirements of NESHAP, 40 CFR 63, Subpart CC is considered compliance with all the applicable requirements of LAC 33:III.5109.A.

EQ10224 1228-95, External Floating Roof Tank F-456

- 389 [40 CFR 63.646(a)] Comply with the requirements of 40 CFR 63.119 through 63.121, except as provided in 40 CFR 63.646(b) through (l). Subpart CC. [40 CFR 63.646(a)]
- 390 [40 CFR 63.646(f)(1)] If a cover or lid is installed on an opening on a floating roof, keep the cover or lid closed except when it must be open for access. Subpart CC. [40 CFR 63.646(f)(1)]
- 391 [40 CFR 63.646(f)(2)] Set rim space vents to open only when the floating roof is not floating or when the pressure beneath the rim seal exceeds the manufacturer's recommended setting. Subpart CC. [40 CFR 63.646(f)(2)]
- 392 [40 CFR 63.646(f)(3)] Keep automatic bleeder vents closed at all times when the roof is floating except when the roof is being floated off or is being landed on the roof leg supports. Subpart CC. [40 CFR 63.646(f)(3)]
- 393 [40 CFR 63.654(h)(2)(i)] Notify DEQ of the refilling of each Group 1 storage vessel that has been emptied and degassed, in order to afford DEQ the opportunity to have an observer present. Submit notification in writing according to the schedules specified in 40 CFR 63.654(h)(2)(i)(A) through (h)(2)(i)(C). Subpart CC. [40 CFR 63.654(h)(2)(i)]
- 394 [40 CFR 63.654(h)(2)(ii)] Notify DEQ in writing of any seal gap measurements at least 30 calendar days in advance of any gap measurements required by 40 CFR 63.120(b)(1) or (b)(2) of 40 CFR 63 Subpart G. Subpart CC. [40 CFR 63.654(h)(2)(ii)]
- 395 [40 CFR 63.654(i)(1)] Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep the records specified in 40 CFR 63.123 of 40 CFR 63 Subpart G, except as specified in 40 CFR 63.654(i)(1)(i) through (i)(1)(iv). Subpart CC. [40 CFR 63.654(i)(1)]
- 396 [LAC 33:III.2103.B] Equip with a submerged fill pipe.
- 397 [LAC 33:III.2103.D.2.a] Seal closure devices required in LAC 33:III.2103.D shall have no visible holes, tears, or other openings in the seals or seal fabric.
- 398 [LAC 33:III.2103.D.2.b] Seal closure devices required in LAC 33:III.2103.D shall be intact and uniformly in place around the circumference of the floating roof and the tank wall.
- 399 [LAC 33:III.2103.D.2.c] Seal gap area $\leq 1 \text{ in}^2/\text{ft}$ of tank diameter (6.5 $\text{cm}^2/0.3 \text{ m}$), for gaps between the secondary seal and tank wall that exceed 1/8 inch (0.32 cm) in width.
 Which Months: All Year Statistical Basis: None specified
- 400 [LAC 33:III.2103.D.2.d] Seal gap area $\leq 10 \text{ in}^2/\text{ft}$ of tank diameter (65 $\text{cm}^2/0.3 \text{ m}$), for gaps between the primary seal and tank wall that exceed 1/8 inch (0.32 cm) in width.
 Which Months: All Year Statistical Basis: None specified

SPECIFIC REQUIREMENTS

AI ID: 1406 - Motiva Enterprises LLC - Norco Refinery

Activity Number: PER20020014

Permit Number: 2913-V0

Air - Title V Regular Permit Renewal

EQT0224 1228-95, External Floating Roof Tank F-456

- 401 [LAC 33:III.2103.D.2.e] Equipment/operational data recordkeeping by electronic or hard copy upon occurrence of event. Keep records of conditions that are not up to the standards described in LAC 33:III.2103.D.2, and the date(s) that the standards are not met. Notify the administrative authority within seven days of noncompliance with LAC 33:III.2103.D.2.
- 402 [LAC 33:III.2103.D.2.e] Initiate repairs of seals within seven working days of recognition of defective conditions by ordering appropriate parts, to avoid noncompliance with LAC 33:III.2103. Complete repairs within three months of the ordering of the repair parts.
- 403 [LAC 33:III.2103.D.2.e] Primary seals: Seal gap area & width monitored by measurement once every five years at any tank level, provided the roof is off its legs. Which Months: All Year Statistical Basis: None specified
- 404 [LAC 33:III.2103.D.2.e] Secondary Seal or closure mechanism monitored by visual inspection/determination semiannually. Which Months: All Year Statistical Basis: None specified
- 405 [LAC 33:III.2103.D.2.e] Secondary seals: Seal gap area & width monitored by measurement annually at any tank level, provided the roof is off its legs. Which Months: All Year Statistical Basis: None specified
- 406 [LAC 33:III.2103.D.3] Equip all covers, seals, lids, automatic bleeder vents and rim space vents with gaskets.
- 407 [LAC 33:III.2103.D.3] Provide all openings in the external floating roof (except for automatic bleeder vents, rim space vent, and leg sleeves) with a projection below the liquid surface. Equip each opening in the roof (except for automatic bleeder vents, rim space vents, roof drains, and leg sleeves) with a cover. seal or lid that is to be maintained in a closed position at all times except when the device is in actual use. Keep automatic bleeder vents closed at all times except when the roof is being floated off the roof leg supports. Set rim vents to open when the roof is being floated off the roof leg supports or at the manufacturer's recommended setting. Equip any emergency roof drain with a slotted membrane fabric cover or equivalent cover that covers at least 90 percent of the opening.
- 408 [LAC 33:III.2103.D] Equip external floating roof with a primary closure seal, consisting of a liquid mounted seal or a mechanical shoe seal, as defined in LAC 33:III.2103.C.1.a and b.
- 409 [LAC 33:III.2103.D] Equip with an external floating roof consisting of a pontoon type roof, double deck type roof, or external floating cover which will rest or float on the surface of the liquid contents and is equipped with a primary closure seal to close the space between the roof edge and tank wall and a continuous secondary seal (a rim mounted secondary) extending from the floating roof to the tank wall.
- 410 [LAC 33:III.2103.H.1] Determine compliance with LAC 33:III.2103.D.2 using the methods in LAC 33:III.2103.H.1.
- 411 [LAC 33:III.2103.H.3] Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a-e.
- 412 [LAC 33:III.2103.I] Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable.
- 413 [LAC 33:III.5109.A] Compliance with all the applicable requirements of NESHAP, 40 CFR 63, Subpart CC is considered compliance with all the applicable requirements of LAC 33:III.5109.A.

EQT0225 1229-95, External Floating Roof Tank F-458

- 414 [40 CFR 63.646(a)] Comply with the requirements of 40 CFR 63.119 through 63.121, except as provided in 40 CFR 63.646(b) through (l). Subpart CC. [40 CFR 63.646(a)]
- 415 [40 CFR 63.646(f)(1)] If a cover or lid is installed on an opening on a floating roof, keep the cover or lid closed except when it must be open for access. Subpart CC. [40 CFR 63.646(f)(1)]
- 416 [40 CFR 63.646(f)(2)] Set rim space vents to open only when the floating roof is not floating or when the pressure beneath the rim seal exceeds the manufacturer's recommended setting. Subpart CC. [40 CFR 63.646(f)(2)]

SPECIFIC REQUIREMENTS

AI ID: 1406 - Motiva Enterprises LLC - Norco Refinery
Activity Number: PER20020014
Permit Number: 2913-V0
Air - Title V Regular Permit Renewal

EQ10225 1229-95, External Floating Roof Tank F-458

- 417 [40 CFR 63.646(f)(3)] Keep automatic bleeder vents closed at all times when the roof is floating except when the roof is being floated off or is being landed on the roof leg supports. Subpart CC. [40 CFR 63.646(f)(3)]
- 418 [40 CFR 63.654(h)(2)(i)] Notify DEQ of the refilling of each Group 1 storage vessel that has been emptied and degassed, in order to afford DEQ the opportunity to have an observer present. Submit notification in writing according to the schedules specified in 40 CFR 63.654(h)(2)(i)(A) through (h)(2)(i)(C). Subpart CC. [40 CFR 63.654(h)(2)(i)]
- 419 [40 CFR 63.654(h)(2)(ii)] Notify DEQ in writing of any seal gap measurements at least 30 calendar days in advance of any gap measurements required by 40 CFR 63.120(b)(1) or (b)(2) of 40 CFR 63 Subpart G. Subpart CC. [40 CFR 63.654(h)(2)(ii)]
- 420 [40 CFR 63.654(i)(1)] Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep the records specified in 40 CFR 63.123 of 40 CFR 63 Subpart G, except as specified in 40 CFR 63.654(i)(1)(i) through (i)(1)(iv). Subpart CC. [40 CFR 63.654(i)(1)]
- 421 [LAC 33:III.2103.B] Equip with a submerged fill pipe.
- 422 [LAC 33:III.2103.D.2.a] Seal closure devices required in LAC 33:III.2103.D shall have no visible holes, tears, or other openings in the seals or seal fabric.
- 423 [LAC 33:III.2103.D.2.b] Seal closure devices required in LAC 33:III.2103.D shall be intact and uniformly in place around the circumference of the floating roof and the tank wall.
- 424 [LAC 33:III.2103.D.2.c] Seal gap area $\leq 1 \text{ in}^2/\text{ft}$ of tank diameter (6.5 cm²/0.3 m), for gaps between the secondary seal and tank wall that exceed 1/8 inch (0.32 cm) in width.
- 425 [LAC 33:III.2103.D.2.d] Which Months: All Year Statistical Basis: None specified
 Seal gap area $\leq 10 \text{ in}^2/\text{ft}$ of tank diameter (65 cm²/0.3 m), for gaps between the primary seal and tank wall that exceed 1/8 inch (0.32 cm) in width.
- 426 [LAC 33:III.2103.D.2.e] Which Months: All Year Statistical Basis: None specified
 Equipment/operational data recordkeeping by electronic or hard copy upon occurrence of event. Keep records of conditions that are not up to the standards described in LAC 33:III.2103.D.2, and the date(s) that the standards are not met. Notify the administrative authority within seven days of noncompliance with LAC 33:III.2103.D.2.
- 427 [LAC 33:III.2103.D.2.e] Initiate repairs of seals within seven working days of recognition of defective conditions by ordering appropriate parts, to avoid noncompliance with LAC 33:III.2103. Complete repairs within three months of the ordering of the repair parts.
- 428 [LAC 33:III.2103.D.2.e] Primary seals: Seal gap area & width monitored by measurement once every five years at any tank level, provided the roof is off its legs.
 Which Months: All Year Statistical Basis: None specified
- 429 [LAC 33:III.2103.D.2.e] Secondary Seal or closure mechanism monitored by visual inspection/determination semiannually.
- 430 [LAC 33:III.2103.D.2.e] Which Months: All Year Statistical Basis: None specified
 Secondary seals: Seal gap area & width monitored by measurement annually at any tank level, provided the roof is off its legs.
 Which Months: All Year Statistical Basis: None specified
- 431 [LAC 33:III.2103.D.3] Equip all covers, seals, lids, automatic bleeder vents and rim space vents with gaskets.
- 432 [LAC 33:III.2103.D.3] Provide all openings in the external floating roof (except for automatic bleeder vents, rim space vent, and leg sleeves) with a projection below the liquid surface. Equip each opening in the roof (except for automatic bleeder vents, rim space vents, roof drains, and leg sleeves) with a cover, seal or lid that is to be maintained in a closed position at all times except when the device is in actual use. Keep automatic bleeder vents closed at all times except when the roof is being floated off the roof leg supports. Set rim vents to open when the roof is being floated off the roof leg supports or at the manufacturer's recommended setting. Equip any emergency roof drain with a slotted membrane fabric cover or equivalent cover that covers at least 90 percent of the opening.

SPECIFIC REQUIREMENTS

AI ID: 1406 - Motiva Enterprises LLC - Norco Refinery

Activity Number: PER20020014

Permit Number: 2913-V0

Air - Title V Regular Permit Renewal

EQT0225 1229-95, External Floating Roof Tank F-458

- 433 [LAC 33:III.2103.D] Equip external floating roof with a primary closure seal, consisting of a liquid mounted seal or a mechanical shoe seal, as defined in LAC 33:III.2103.C.1.a and b.
- 434 [LAC 33:III.2103.D] Equip with an external floating roof consisting of a pontoon type roof, double deck type roof, or external floating cover which will rest or float on the surface of the liquid contents and is equipped with a primary closure seal to close the space between the roof edge and tank wall and a continuous secondary seal (a rim mounted secondary) extending from the floating roof to the tank wall.
- 435 [LAC 33:III.2103.H.1] Determine compliance with LAC 33:III.2103.D.2 using the methods in LAC 33:III.2103.H.1.
- 436 [LAC 33:III.2103.H.3] Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a-e.
- 437 [LAC 33:III.2103.I] Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable.
- 438 [LAC 33:III.5109.A] Compliance with all the applicable requirements of NESHAP, 40 CFR 63, Subpart CC is considered compliance with all the applicable requirements of LAC 33:III.5109.A.

EQT0226 1230-95, Internal Floating Roof Tank F-481

- 439 [40 CFR 63.646(a)] Comply with the requirements of 40 CFR 63.119 through 63.121, except as provided in 40 CFR 63.646(b) through (l). Subpart CC. [40 CFR 63.646(a)]
- 440 [40 CFR 63.646(f)(1)] If a cover or lid is installed on an opening on a floating roof, keep the cover or lid closed except when it must be open for access. Subpart CC. [40 CFR 63.646(f)(1)]
- 441 [40 CFR 63.646(f)(2)] Set rim space vents to open only when the floating roof is not floating or when the pressure beneath the rim seal exceeds the manufacturer's recommended setting. Subpart CC. [40 CFR 63.646(f)(2)]
- 442 [40 CFR 63.646(f)(3)] Keep automatic bleeder vents closed at all times when the roof is floating except when the roof is being floated off or is being landed on the roof leg supports. Subpart CC. [40 CFR 63.646(f)(3)]
- 443 [40 CFR 63.654(h)(2)(i)] Notify DEQ of the refilling of each Group 1 storage vessel that has been emptied and degassed, in order to afford DEQ the opportunity to have an observer present. Submit notification in writing according to the schedules specified in 40 CFR 63.654(h)(2)(i)(A) through (h)(2)(i)(C). Subpart CC. [40 CFR 63.654(h)(2)(i)]
- 444 [40 CFR 63.654(h)(2)(ii)] Notify DEQ in writing of any seal gap measurements at least 30 calendar days in advance of any gap measurements required by 40 CFR 63.120(b)(1) or (b)(2) of 40 CFR 63 Subpart G. Subpart CC. [40 CFR 63.654(h)(2)(ii)]
- 445 [40 CFR 63.654(i)(1)] Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep the records specified in 40 CFR 63.123 of 40 CFR 63 Subpart G, except as specified in 40 CFR 63.654(i)(1) through (i)(1)(iv). Subpart CC. [40 CFR 63.654(i)(1)]
- 446 [LAC 33:III.2103.B] Equip with a submerged fill pipe.
- 447 [LAC 33:III.2103.C.1.a] Equip internal floating roof with a liquid mounted seal consisting of a foam- or liquid-filled seal mounted in contact with the liquid between the wall of the storage vessel and the floating roof continuously around the circumference of the tank.
- 448 [LAC 33:III.2103.C.1.b] Equip internal floating roof with a mechanical shoe seal (metallic-type shoe seal) consisting of a metal sheet held vertically against the wall of the storage vessel by springs or weighted levers and connected by braces to the floating roof. A flexible coated fabric (envelope) spans the annular space between the metal sheet and the floating roof.

SPECIFIC REQUIREMENTS

AI ID: 1406 - Motiva Enterprises LLC - Norco Refinery

Activity Number: PER20020014

Permit Number: 2913-V0

Air - Title V Regular Permit Renewal

EQT0226 1230-95, Internal Floating Roof Tank F-481

- 449 [LAC 33:III.2103.C.1.c] Equip internal floating roof with two seals mounted one above the other so that each forms a continuous closure that completely covers the space between the wall of the storage vessel and the edge of the internal floating roof. The lower seal may be vapor-mounted, but both must be continuous.
- 450 [LAC 33:III.2103.C.2] Provide each opening in the internal floating roof (except rim space vents and automatic bleeder vents) with a projection below the liquid surface. In addition, provide each opening (except for leg sleeves, bleeder vents, rim space vents, column wells, ladder wells, sample wells, and stub drains) with a cover equipped with a gasket. Equip automatic bleeder vents and rim space vents with gaskets and equip ladder wells with a sliding cover.
- 451 [LAC 33:III.2103.C] Equip with an internal floating roof consisting of a pontoon type roof, double deck roof, or internal floating cover which will rest or float on the surface of the liquid contents and is equipped with a closure seal to close the space between the roof edge and tank wall. All tank gauging and sampling devices will be gas-tight except when gauging or sampling is taking place.
- 452 [LAC 33:III.2103.H.1] Determine compliance with LAC 33:III.2103.D.2 and 4 using the methods in LAC 33:III.2103.H.1.
- 453 [LAC 33:III.2103.H.3] Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a-e.
- 454 [LAC 33:III.2103.I] Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable.
- 455 [LAC 33:III.5109.A] Compliance with all the applicable requirements of NESHAP, 40 CFR 63, Subpart CC is considered compliance with all the applicable requirements of LAC 33:III.5109.A.

EQT0227 1234-95, External Floating Roof Tank F-441

- 456 [40 CFR 63.646(a)] Comply with the requirements of 40 CFR 63.119 through 63.121, except as provided in 40 CFR 63.646(b) through (l). Subpart CC. [40 CFR 63.646(a)]
- 457 [40 CFR 63.646(f)(1)] If a cover or lid is installed on an opening on a floating roof, keep the cover or lid closed except when it must be open for access. Subpart CC. [40 CFR 63.646(f)(1)]
- 458 [40 CFR 63.646(f)(2)] Set rim space vents to open only when the floating roof is not floating or when the pressure beneath the rim seal exceeds the manufacturer's recommended setting. Subpart CC. [40 CFR 63.646(f)(2)]
- 459 [40 CFR 63.646(f)(3)] Keep automatic bleeder vents closed at all times when the roof is floating except when the roof is being floated off or is being landed on the roof leg supports. Subpart CC. [40 CFR 63.646(f)(3)]
- 460 [40 CFR 63.654(h)(2)(i)] Notify DEQ of the refilling of each Group 1 storage vessel that has been emptied and degassed, in order to afford DEQ the opportunity to have an observer present. Submit notification in writing according to the schedules specified in 40 CFR 63.654(h)(2)(i)(A) through (h)(2)(i)(C). Subpart CC. [40 CFR 63.654(h)(2)(i)]
- 461 [40 CFR 63.654(h)(2)(ii)] Notify DEQ in writing of any seal gap measurements at least 30 calendar days in advance of any gap measurements required by 40 CFR 63.120(b)(1) or (b)(2) of 40 CFR 63 Subpart G. Subpart CC. [40 CFR 63.654(h)(2)(ii)]
- 462 [40 CFR 63.654(i)(1)] Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep the records specified in 40 CFR 63.123 of 40 CFR 63 Subpart G, except as specified in 40 CFR 63.654(i)(1)(i) through (i)(1)(iv). Subpart CC. [40 CFR 63.654(i)(1)]
- 463 [LAC 33:III.2103.B] Equip with a submerged fill pipe.
- 464 [LAC 33:III.2103.D.2.a] Seal closure devices required in LAC 33:III.2103.D shall have no visible holes, tears, or other openings in the seals or seal fabric.

SPECIFIC REQUIREMENTS

AI ID: 1406 - Motiva Enterprises LLC - Norco Refinery
Activity Number: PER20020014
Permit Number: 2913-V0
Air - Title V Regular Permit Renewal

EQT0227 1234-95, External Floating Roof Tank F-441

- 465 [LAC 33:III.2103.D.2.b] Seal closure devices required in LAC 33:III.2103.D shall be intact and uniformly in place around the circumference of the floating roof and the tank wall.
- 466 [LAC 33:III.2103.D.2.c] Seal gap area $\leq 1 \text{ in}^2/\text{ft}$ of tank diameter (6.5 cm²/0.3 m), for gaps between the secondary seal and tank wall that exceed 1/8 inch (0.32 cm) in width.
- 467 [LAC 33:III.2103.D.2.d] Which Months: All Year Statistical Basis: None specified Seal gap area $\leq 10 \text{ in}^2/\text{ft}$ of tank diameter (65 cm²/0.3 m), for gaps between the primary seal and tank wall that exceed 1/8 inch (0.32 cm) in width.
- 468 [LAC 33:III.2103.D.2.e] Which Months: All Year Statistical Basis: None specified Equipment/operational data recordkeeping by electronic or hard copy upon occurrence of event. Keep records of conditions that are not up to the standards described in LAC 33:III.2103.D.2, and the date(s) that the standards are not met. Notify the administrative authority within seven days of noncompliance with LAC 33:III.2103.D.2.
- 469 [LAC 33:III.2103.D.2.e] Initiate repairs of seals within seven working days of recognition of defective conditions by ordering appropriate parts, to avoid noncompliance with LAC 33:III.2103. Complete repairs within three months of the ordering of the repair parts.
- 470 [LAC 33:III.2103.D.2.c] Primary seals: Seal gap area & width monitored by measurement once every five years at any tank level, provided the roof is off its legs.
- 471 [LAC 33:III.2103.D.2.e] Which Months: All Year Statistical Basis: None specified Secondary Seal or closure mechanism monitored by visual inspection/determination semiannually.
- 472 [LAC 33:III.2103.D.2.e] Which Months: All Year Statistical Basis: None specified Secondary seals: Seal gap area & width monitored by measurement annually at any tank level, provided the roof is off its legs.
- 473 [LAC 33:III.2103.D.3] Which Months: All Year Statistical Basis: None specified Equip all covers, seals, lids, automatic bleeder vents and rim space vents with gaskets.
- 474 [LAC 33:III.2103.D.3] Provide all openings in the external floating roof (except for automatic bleeder vents, rim space vent, and leg sleeves) with a projection below the liquid surface. Equip each opening in the roof (except for automatic bleeder vents, rim space vents, roof drains, and leg sleeves) with a cover, seal or lid that is to be maintained in a closed position at all times except when the device is in actual use. Keep automatic bleeder vents closed at all times except when the roof is being floated off the roof leg supports. Set rim vents to open when the roof is being floated off the roof leg supports or at the manufacturer's recommended setting. Equip any emergency roof drain with a slotted membrane fabric cover or equivalent cover that covers at least 90 percent of the opening.
- 475 [LAC 33:III.2103.D] Equip external floating roof with a primary closure seal, consisting of a liquid mounted seal or a mechanical shoe seal, as defined in LAC 33:III.2103.C.1.a and b.
- 476 [LAC 33:III.2103.D] Equip with an external floating roof consisting of a pontoon type roof, double deck type roof, or external floating cover which will rest or float on the surface of the liquid contents and is equipped with a primary closure seal to close the space between the roof edge and tank wall and a continuous secondary seal (a rim mounted secondary) extending from the floating roof to the tank wall.
- 477 [LAC 33:III.2103.H.1] Determine compliance with LAC 33:III.2103.D.2 using the methods in LAC 33:III.2103.H.1.
- 478 [LAC 33:III.2103.H.3] Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a-e.
- 479 [LAC 33:III.2103.I] Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable.
- 480 [LAC 33:III.5109.A] Compliance with all the applicable requirements of NESHAP, 40 CFR 63, Subpart CC is considered compliance with all the applicable requirements of LAC 33:III.5109.A.

SPECIFIC REQUIREMENTS

AI ID: 1406 - Motiva Enterprises LLC - Norco Refinery
Activity Number: PER20020014
Permit Number: 2913-V0
Air - Title V Regular Permit Renewal

EQ10228 1235-95, External Floating Roof Tank F-443

- 481 [40 CFR 63.646(a)] Comply with the requirements of 40 CFR 63.119 through 63.121, except as provided in 40 CFR 63.646(b) through (l). Subpart CC. [40 CFR 63.646(a)]
- 482 [40 CFR 63.646(f)(1)] If a cover or lid is installed on an opening on a floating roof, keep the cover or lid closed except when it must be open for access. Subpart CC. [40 CFR 63.646(f)(1)]
- 483 [40 CFR 63.646(f)(2)] Set rim space vents to open only when the floating roof is not floating or when the pressure beneath the rim seal exceeds the manufacturer's recommended setting. Subpart CC. [40 CFR 63.646(f)(2)]
- 484 [40 CFR 63.646(f)(3)] Keep automatic bleeder vents closed at all times when the roof is floating except when the roof is being floated off or is being landed on the roof leg supports. Subpart CC. [40 CFR 63.646(f)(3)]
- 485 [40 CFR 63.654(h)(2)(i)] Notify DEQ of the refilling of each Group 1 storage vessel that has been emptied and degassed, in order to afford DEQ the opportunity to have an observer present. Submit notification in writing according to the schedules specified in 40 CFR 63.654(h)(2)(i)(A) through (h)(2)(i)(C). Subpart CC. [40 CFR 63.654(h)(2)(i)]
- 486 [40 CFR 63.654(h)(2)(ii)] Notify DEQ in writing of any seal gap measurements at least 30 calendar days in advance of any gap measurements required by 40 CFR 63.120(b)(1) or (b)(2) of 40 CFR 63 Subpart G. Subpart CC. [40 CFR 63.654(h)(2)(ii)]
- 487 [40 CFR 63.654(i)(1)] Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep the records specified in 40 CFR 63.123 of 40 CFR 63 Subpart G, except as specified in 40 CFR 63.654(i)(1)(i) through (i)(1)(iv). Subpart CC. [40 CFR 63.654(i)(1)]
- 488 [LAC 33:III.2103.B] Equip with a submerged fill pipe.
- 489 [LAC 33:III.2103.D.2.a] Seal closure devices required in LAC 33:III.2103.D shall have no visible holes, tears, or other openings in the seals or seal fabric.
- 490 [LAC 33:III.2103.D.2.b] Seal closure devices required in LAC 33:III.2103.D shall be intact and uniformly in place around the circumference of the floating roof and the tank wall.
- 491 [LAC 33:III.2103.D.2.c] Seal gap area $\leq 1 \text{ in}^2/\text{ft}$ of tank diameter (6.5 cm²/0.3 m), for gaps between the secondary seal and tank wall that exceed 1/8 inch (0.32 cm) in width.
 Which Months: All Year Statistical Basis: None specified
- 492 [LAC 33:III.2103.D.2.d] Seal gap area $\leq 10 \text{ in}^2/\text{ft}$ of tank diameter (65 cm²/0.3 m), for gaps between the primary seal and tank wall that exceed 1/8 inch (0.32 cm) in width.
 Which Months: All Year Statistical Basis: None specified
- 493 [LAC 33:III.2103.D.2.e] Equipment/operational data recordkeeping by electronic or hard copy upon occurrence of event. Keep records of conditions that are not up to the standards described in LAC 33:III.2103.D.2, and the date(s) that the standards are not met. Notify the administrative authority within seven days of noncompliance with LAC 33:III.2103.D.2.
- 494 [LAC 33:III.2103.D.2.e] Initiate repairs of seals within seven working days of recognition of defective conditions by ordering appropriate parts, to avoid noncompliance with LAC 33:III.2103. Complete repairs within three months of the ordering of the repair parts.
- 495 [LAC 33:III.2103.D.2.e] Primary seals: Seal gap area & width monitored by measurement once every five years at any tank level, provided the roof is off its legs.
 Which Months: All Year Statistical Basis: None specified
- 496 [LAC 33:III.2103.D.2.e] Secondary Seal or closure mechanism monitored by visual inspection/determination semiannually.
 Which Months: All Year Statistical Basis: None specified
- 497 [LAC 33:III.2103.D.2.e] Secondary seals: Seal gap area & width monitored by measurement annually at any tank level, provided the roof is off its legs.
 Which Months: All Year Statistical Basis: None specified
- 498 [LAC 33:III.2103.D.3] Equip all covers, seals, lids, automatic bleeder vents and rim space vents with gaskets.

SPECIFIC REQUIREMENTS

AI ID: 1406 - Motiva Enterprises LLC - Norco Refinery

Activity Number: PER20020014

Permit Number: 2913-V0

Air - Title V Regular Permit Renewal

EQT0228 1235-95, External Floating Roof Tank F-443

- 499 [LAC 33:III.2103.D.3] Provide all openings in the external floating roof (except for automatic bleeder vents, rim space vent, and leg sleeves) with a projection below the liquid surface. Equip each opening in the roof (except for automatic bleeder vents, rim space vents, roof drains, and leg sleeves) with a cover, seal or lid that is to be maintained in a closed position at all times except when the device is in actual use. Keep automatic bleeder vents closed at all times except when the roof is being floated off the roof leg supports. Set rim vents to open when the roof is being floated off the roof leg supports or at the manufacturer's recommended setting. Equip any emergency roof drain with a slotted membrane fabric cover or equivalent cover that covers at least 90 percent of the opening.
- 500 [LAC 33:III.2103.D] Equip external floating roof with a primary closure seal, consisting of a liquid mounted seal or a mechanical shoe seal, as defined in LAC 33:III.2103.C.1.a and b.
- 501 [LAC 33:III.2103.D] Equip with an external floating roof consisting of a pontoon type roof, double deck type roof, or external floating cover which will rest or float on the surface of the liquid contents and is equipped with a primary closure seal to close the space between the roof edge and tank wall and a continuous secondary seal (a rim mounted secondary) extending from the floating roof to the tank wall.
- 502 [LAC 33:III.2103.H.1] Determine compliance with LAC 33:III.2103.D.2 using the methods in LAC 33:III.2103.H.1.
- 503 [LAC 33:III.2103.H.3] Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a-e.
- 504 [LAC 33:III.2103.I] Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable.
- 505 [LAC 33:III.5109.A] Compliance with all the applicable requirements of NESHAP, 40 CFR 63, Subpart CC is considered compliance with all the applicable requirements of LAC 33:III.5109.A.

EQT0229 1236-95, External Floating Roof Tank F-444

- 506 [40 CFR 63.646(a)] Comply with the requirements of 40 CFR 63.119 through 63.121, except as provided in 40 CFR 63.646(b) through (l). Subpart CC. [40 CFR 63.646(a)]
- 507 [40 CFR 63.646(f)(1)] If a cover or lid is installed on an opening on a floating roof, keep the cover or lid closed except when it must be open for access. Subpart CC. [40 CFR 63.646(f)(1)]
- 508 [40 CFR 63.646(f)(2)] Set rim space vents to open only when the floating roof is not floating or when the pressure beneath the rim seal exceeds the manufacturer's recommended setting. Subpart CC. [40 CFR 63.646(f)(2)]
- 509 [40 CFR 63.646(f)(3)] Keep automatic bleeder vents closed at all times when the roof is floating except when the roof is being floated off or is being landed on the roof leg supports. Subpart CC. [40 CFR 63.646(f)(3)]
- 510 [40 CFR 63.654(h)(2)(i)] Notify DEQ of the refilling of each Group 1 storage vessel that has been emptied and degassed, in order to afford DEQ the opportunity to have an observer present. Submit notification in writing according to the schedules specified in 40 CFR 63.654(h)(2)(i)(A) through (h)(2)(i)(C). Subpart CC. [40 CFR 63.654(h)(2)(i)]
- 511 [40 CFR 63.654(h)(2)(ii)] Notify DEQ in writing of any seal gap measurements at least 30 calendar days in advance of any gap measurements required by 40 CFR 63.120(b)(1) or (b)(2) of 40 CFR 63 Subpart G. Subpart CC. [40 CFR 63.654(h)(2)(ii)]
- 512 [40 CFR 63.654(i)(1)] Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep the records specified in 40 CFR 63.123 of 40 CFR 63 Subpart G, except as specified in 40 CFR 63.654(i)(1)(i) through (i)(1)(iv). Subpart CC. [40 CFR 63.654(i)(1)]
- 513 [LAC 33:III.2103.B] Equip with a submerged fill pipe.
- 514 [LAC 33:III.2103.D.2.a] Seal closure devices required in LAC 33:III.2103.D shall have no visible holes, tears, or other openings in the seals or seal fabric.

SPECIFIC REQUIREMENTS

AI ID: 1406 - Motiva Enterprises LLC - Norco Refinery
Activity Number: PER20020014
Permit Number: 2913-V0
Air - Title V Regular Permit Renewal

EQT0229 1236-95, External Floating Roof Tank F-444

- 515 [LAC 33:III.2103.D.2.b] Seal closure devices required in LAC 33:III.2103.D shall be intact and uniformly in place around the circumference of the floating roof and the tank wall.
- 516 [LAC 33:III.2103.D.2.c] Seal gap area $\leq 1 \text{ in}^2/\text{ft}$ of tank diameter (6.5 $\text{cm}^2/0.3 \text{ m}$), for gaps between the secondary seal and tank wall that exceed 1/8 inch (0.32 cm) in width.
- 517 [LAC 33:III.2103.D.2.d] Which Months: All Year Statistical Basis: None specified
 Seal gap area $\leq 10 \text{ in}^2/\text{ft}$ of tank diameter (65 $\text{cm}^2/0.3 \text{ m}$), for gaps between the primary seal and tank wall that exceed 1/8 inch (0.32 cm) in width.
- 518 [LAC 33:III.2103.D.2.e] Which Months: All Year Statistical Basis: None specified
 Equipment/operational data recordkeeping by electronic or hard copy upon occurrence of event. Keep records of conditions that are not up to the standards described in LAC 33:III.2103.D.2, and the date(s) that the standards are not met. Notify the administrative authority within seven days of noncompliance with LAC 33:III.2103.D.2.
- 519 [LAC 33:III.2103.D.2.e] Initiate repairs of seals within seven working days of recognition of defective conditions by ordering appropriate parts, to avoid noncompliance with LAC 33:III.2103. Complete repairs within three months of the ordering of the repair parts.
- 520 [LAC 33:III.2103.D.2.e] Primary seals: Seal gap area & width monitored by measurement once every five years at any tank level, provided the roof is off its legs.
 Which Months: All Year Statistical Basis: None specified
 Secondary Seal or closure mechanism monitored by visual inspection/determination semiannually.
- 521 [LAC 33:III.2103.D.2.e] Which Months: All Year Statistical Basis: None specified
 Secondary seals: Seal gap area & width monitored by measurement annually at any tank level, provided the roof is off its legs.
- 522 [LAC 33:III.2103.D.2.e] Which Months: All Year Statistical Basis: None specified
 Equip all covers, seals, lids, automatic bleeder vents and rim space vents with gaskets.
- 523 [LAC 33:III.2103.D.3] Provide all openings in the external floating roof (except for automatic bleeder vents, rim space vent, and leg sleeves) with a projection below the liquid surface. Equip each opening in the roof (except for automatic bleeder vents, rim space vents, roof drains, and leg sleeves) with a cover, seal or lid that is to be maintained in a closed position at all times except when the device is in actual use. Keep automatic bleeder vents closed at all times except when the roof is being floated off the roof leg supports. Set rim vents to open when the roof is being floated off the roof leg supports or at the manufacturer's recommended setting. Equip any emergency roof drain with a slotted membrane fabric cover or equivalent cover that covers at least 90 percent of the opening.
- 524 [LAC 33:III.2103.D.3] Equip external floating roof with a primary closure seal, consisting of a liquid mounted seal or a mechanical shoe seal, as defined in LAC 33:III.2103.C.1.a and b.
- 525 [LAC 33:III.2103.D] Equip with an external floating roof consisting of a pontoon type roof, double deck type roof, or external floating cover which will rest or float on the surface of the liquid contents and is equipped with a primary closure seal to close the space between the roof edge and tank wall and a continuous secondary seal (a rim mounted secondary) extending from the floating roof to the tank wall.
- 526 [LAC 33:III.2103.D.3] Determine compliance with LAC 33:III.2103.D.2 using the methods in LAC 33:III.2103.H.1.
- 527 [LAC 33:III.2103.H.1] Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a-e.
- 528 [LAC 33:III.2103.H.3] Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable.
- 529 [LAC 33:III.2103.I] Compliance with all the applicable requirements of NESHAP, 40 CFR 63, Subpart CC is considered compliance with all the applicable requirements of LAC 33:III.5109.A.
- 530 [LAC 33:III.5109.A]

SPECIFIC REQUIREMENTS

AI ID: 1406 - Motiva Enterprises LLC - Norco Refinery

Activity Number: PER20020014

Permit Number: 2913-V0

Air - Title V Regular Permit Renewal

EQT0230 1237-95, External Floating Roof Tank F-457

- 531 [40 CFR 63.646(a)] Comply with the requirements of 40 CFR 63.119 through 63.121, except as provided in 40 CFR 63.646(b) through (l). Subpart CC. [40 CFR 63.646(a)]
- 532 [40 CFR 63.646(f)(1)] If a cover or lid is installed on an opening on a floating roof, keep the cover or lid closed except when it must be open for access. Subpart CC. [40 CFR 63.646(f)(1)]
- 533 [40 CFR 63.646(f)(2)] Set rim space vents to open only when the floating roof is not floating or when the pressure beneath the rim seal exceeds the manufacturer's recommended setting. Subpart CC. [40 CFR 63.646(f)(2)]
- 534 [40 CFR 63.646(f)(3)] Keep automatic bleeder vents closed at all times when the roof is floating except when the roof is being floated off or is being landed on the roof leg supports. Subpart CC. [40 CFR 63.646(f)(3)]
- 535 [40 CFR 63.654(h)(2)(i)] Notify DEQ of the refilling of each Group 1 storage vessel that has been emptied and degassed, in order to afford DEQ the opportunity to have an observer present. Submit notification in writing according to the schedules specified in 40 CFR 63.654(h)(2)(i)(A) through (h)(2)(i)(C). Subpart CC. [40 CFR 63.654(h)(2)(i)]
- 536 [40 CFR 63.654(h)(2)(ii)] Notify DEQ in writing of any seal gap measurements at least 30 calendar days in advance of any gap measurements required by 40 CFR 63.120(b)(1) or (b)(2) of 40 CFR 63 Subpart G. Subpart CC. [40 CFR 63.654(h)(2)(ii)]
- 537 [40 CFR 63.654(i)(1)] Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep the records specified in 40 CFR 63.123 of 40 CFR 63 Subpart G, except as specified in 40 CFR 63.654(i)(1)(i) through (i)(1)(iv). Subpart CC. [40 CFR 63.654(i)(1)]
- 538 [LAC 33:III.2103.B] Equip with a submerged fill pipe.
- 539 [LAC 33:III.2103.D.2.a] Seal closure devices required in LAC 33:III.2103.D shall have no visible holes, tears, or other openings in the seals or seal fabric.
- 540 [LAC 33:III.2103.D.2.b] Seal closure devices required in LAC 33:III.2103.D shall be intact and uniformly in place around the circumference of the floating roof and the tank wall.
- 541 [LAC 33:III.2103.D.2.c] Seal gap area $\leq 1 \text{ in}^2/\text{ft}$ of tank diameter (6.5 $\text{cm}^2/0.3 \text{ m}$), for gaps between the secondary seal and tank wall that exceed 1/8 inch (0.32 cm) in width.
- 542 [LAC 33:III.2103.D.2.d] Which Months: All Year Statistical Basis: None specified
Seal gap area $\leq 10 \text{ in}^2/\text{ft}$ of tank diameter (65 $\text{cm}^2/0.3 \text{ m}$), for gaps between the primary seal and tank wall that exceed 1/8 inch (0.32 cm) in width.
- 543 [LAC 33:III.2103.D.2.e] Which Months: All Year Statistical Basis: None specified
Equipment/operational data recordkeeping by electronic or hard copy upon occurrence of event. Keep records of conditions that are not up to the standards described in LAC 33:III.2103.D.2, and the date(s) that the standards are not met. Notify the administrative authority within seven days of noncompliance with LAC 33:III.2103.D.2.
- 544 [LAC 33:III.2103.D.2.e] Initiate repairs of seals within seven working days of recognition of defective conditions by ordering appropriate parts, to avoid noncompliance with LAC 33:III.2103. Complete repairs within three months of the ordering of the repair parts.
- 545 [LAC 33:III.2103.D.2.e] Primary seals: Seal gap area & width monitored by measurement once every five years at any tank level, provided the roof is off its legs.
Which Months: All Year Statistical Basis: None specified
- 546 [LAC 33:III.2103.D.2.e] Secondary Seal or closure mechanism monitored by visual inspection/determination semiannually.
Which Months: All Year Statistical Basis: None specified
- 547 [LAC 33:III.2103.D.2.e] Secondary seals: Seal gap area & width monitored by measurement annually at any tank level, provided the roof is off its legs.
Which Months: All Year Statistical Basis: None specified
- 548 [LAC 33:III.2103.D.3] Equip all covers, seals, lids, automatic bleeder vents and rim space vents with gaskets.

SPECIFIC REQUIREMENTS

AI ID: 1406 - Motiva Enterprises LLC - Norco Refinery
Activity Number: PER20020014
Permit Number: 2913-V0
Air - Title V Regular Permit Renewal

EQ10230 1237-95, External Floating Roof Tank F-457

- 549 [LAC 33:III.2103.D.3] Provide all openings in the external floating roof (except for automatic bleeder vents, rim space vent, and leg sleeves) with a projection below the liquid surface. Equip each opening in the roof (except for automatic bleeder vents, rim space vents, roof drains, and leg sleeves) with a cover, seal or lid that is to be maintained in a closed position at all times except when the device is in actual use. Keep automatic bleeder vents closed at all times except when the roof is being floated off the roof leg supports. Set rim vents to open when the roof is being floated off the roof leg supports or at the manufacturer's recommended setting. Equip any emergency roof drain with a slotted membrane fabric cover or equivalent cover that covers at least 90 percent of the opening.
- 550 [LAC 33:III.2103.D] Equip external floating roof with a primary closure seal, consisting of a liquid mounted seal or a mechanical shoe seal, as defined in LAC 33:III.2103.C.1.a and b.
- 551 [LAC 33:III.2103.D] Equip with an external floating roof consisting of a pontoon type roof, double deck type roof, or external floating cover which will rest or float on the surface of the liquid contents and is equipped with a primary closure seal to close the space between the roof edge and tank wall and a continuous secondary seal (a rim mounted secondary) extending from the floating roof to the tank wall.
- 552 [LAC 33:III.2103.H.1] Determine compliance with LAC 33:III.2103.D.2 using the methods in LAC 33:III.2103.H.1.
- 553 [LAC 33:III.2103.H.3] Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3 a-e.
- 554 [LAC 33:III.2103.I] Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable.
- 555 [LAC 33:III.5109.A] Compliance with all the applicable requirements of NESHAP, 40 CFR 63, Subpart CC is considered compliance with all the applicable requirements of LAC 33:III.5109.A.

EQ10231 1238-95, External Floating Roof Tank F-480

- 556 [40 CFR 63.646(a)] Comply with the requirements of 40 CFR 63.119 through 63.121, except as provided in 40 CFR 63.646(b) through (l). Subpart CC. [40 CFR 63.646(a)]
- 557 [40 CFR 63.646(f)(1)] If a cover or lid is installed on an opening on a floating roof, keep the cover or lid closed except when it must be open for access. Subpart CC. [40 CFR 63.646(f)(1)]
- 558 [40 CFR 63.646(f)(2)] Set rim space vents to open only when the floating roof is not floating or when the pressure beneath the rim seal exceeds the manufacturer's recommended setting. Subpart CC. [40 CFR 63.646(f)(2)]
- 559 [40 CFR 63.646(f)(3)] Keep automatic bleeder vents closed at all times when the roof is floating except when the roof is being floated off or is being landed on the roof leg supports. Subpart CC. [40 CFR 63.646(f)(3)]
- 560 [40 CFR 63.654(h)(2)(i)] Notify DEQ of the refilling of each Group 1 storage vessel that has been emptied and degassed, in order to afford DEQ the opportunity to have an observer present. Submit notification in writing according to the schedules specified in 40 CFR 63.654(h)(2)(i)(A) through (h)(2)(i)(C). Subpart CC. [40 CFR 63.654(h)(2)(i)]
- 561 [40 CFR 63.654(h)(2)(ii)] Notify DEQ in writing of any seal gap measurements at least 30 calendar days in advance of any gap measurements required by 40 CFR 63.120(b)(1) or (b)(2) of 40 CFR 63 Subpart G. Subpart CC. [40 CFR 63.654(h)(2)(ii)]
- 562 [40 CFR 63.654(i)(1)] Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep the records specified in 40 CFR 63.123 of 40 CFR 63 Subpart G, except as specified in 40 CFR 63.654(i)(i) through (i)(iv). Subpart CC. [40 CFR 63.654(i)(1)]
- 563 [LAC 33:III.2103.B] Equip with a submerged fill pipe.
- 564 [LAC 33:III.2103.D.2.a] Seal closure devices required in LAC 33:III.2103.D shall have no visible holes, tears, or other openings in the seals or seal fabric.

SPECIFIC REQUIREMENTS

AI ID: 1406 - Motiva Enterprises LLC - Norco Refinery
Activity Number: PER20020014
Permit Number: 2913-V0
Air - Title V Regular Permit Renewal

EQT0231 1238-95, External Floating Roof Tank F-480

- 565 [LAC 33:III.2103.D.2.b) Seal closure devices required in LAC 33:III.2103.D shall be intact and uniformly in place around the circumference of the floating roof and the tank wall.
- 566 [LAC 33:III.2103.D.2.c) Seal gap area $\leq 1 \text{ in}^2/\text{ft}$ of tank diameter (6.5 cm²/0.3 m), for gaps between the secondary seal and tank wall that exceed 1/8 inch (0.32 cm) in width.
- 567 [LAC 33:III.2103.D.2.d) Which Months: All Year Statistical Basis: None specified
 Seal gap area $\leq 10 \text{ in}^2/\text{ft}$ of tank diameter (65 cm²/0.3 m), for gaps between the primary seal and tank wall that exceed 1/8 inch (0.32 cm) in width.
 Which Months: All Year Statistical Basis: None specified
 Equipment/operational data recordkeeping by electronic or hard copy upon occurrence of event. Keep records of conditions that are not up to the standards described in LAC 33:III.2103.D.2, and the date(s) that the standards are not met. Notify the administrative authority within seven days of noncompliance with LAC 33:III.2103.D.2.
- 568 [LAC 33:III.2103.D.2.e) Initiate repairs of seals within seven working days of recognition of defective conditions by ordering appropriate parts, to avoid noncompliance with LAC 33:III.2103. Complete repairs within three months of the ordering of the repair parts.
- 569 [LAC 33:III.2103.D.2.e) Primary seals: Seal gap area & width monitored by measurement once every five years at any tank level, provided the roof is off its legs.
- 570 [LAC 33:III.2103.D.2.e) Which Months: All Year Statistical Basis: None specified
 Secondary Seal or closure mechanism monitored by visual inspection/determination semiannually.
- 571 [LAC 33:III.2103.D.2.e) Which Months: All Year Statistical Basis: None specified
 Secondary seals: Seal gap area & width monitored by measurement annually at any tank level, provided the roof is off its legs.
- 572 [LAC 33:III.2103.D.2.e) Which Months: All Year Statistical Basis: None specified
 Equip all covers, seals, lids, automatic bleeder vents and rim space vents with gaskets.
- 573 [LAC 33:III.2103.D.3) Provide all openings in the external floating roof (except for automatic bleeder vents, rim space vent, and leg sleeves) with a projection below the liquid surface. Equip each opening in the roof (except for automatic bleeder vents, rim space vents, roof drains, and leg sleeves) with a cover, seal or lid that is to be maintained in a closed position at all times except when the device is in actual use. Keep automatic bleeder vents closed at all times except when the roof is being floated off the roof leg supports. Set rim vents to open when the roof is being floated off the roof leg supports or at the manufacturer's recommended setting. Equip any emergency roof drain with a slotted membrane fabric cover or equivalent cover that covers at least 90 percent of the opening.
- 574 [LAC 33:III.2103.D.3) Equip external floating roof with a primary closure seal, consisting of a liquid mounted seal or a mechanical shoe seal, as defined in LAC 33:III.2103.C.1.a and b.
- 575 [LAC 33:III.2103.D) Equip with an external floating roof consisting of a pontoon type roof, double deck type roof, or external floating cover which will rest or float on the surface of the liquid contents and is equipped with a primary closure seal to close the space between the roof edge and tank wall and a continuous secondary seal (a rim mounted secondary) extending from the floating roof to the tank wall.
- 576 [LAC 33:III.2103.D) Determine compliance with LAC 33:III.2103.D.2 using the methods in LAC 33:III.2103.H.1.
- 577 [LAC 33:III.2103.H.1) Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a-e.
- 578 [LAC 33:III.2103.H.3) Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable.
- 579 [LAC 33:III.2103.I) Compliance with all the applicable requirements of NESHAP, 40 CFR 63, Subpart CC is considered compliance with all the applicable requirements of LAC 33:III.5109.A.
- 580 [LAC 33:III.5109.A)

SPECIFIC REQUIREMENTS

AI ID: 1406 - Motiva Enterprises LLC - Norco Refinery
Activity Number: PER20020014
Permit Number: 2913-V0
Air - Title V Regular Permit Renewal

EQ10232 1239-95, External Floating Roof Tank F-482

- 581 [40 CFR 63.646(a)] Comply with the requirements of 40 CFR 63.119 through 63.121, except as provided in 40 CFR 63.646(b) through (l). Subpart CC. [40 CFR 63.646(a)]
- 582 [40 CFR 63.646(f)(1)] If a cover or lid is installed on an opening on a floating roof, keep the cover or lid closed except when it must be open for access. Subpart CC. [40 CFR 63.646(f)(1)]
- 583 [40 CFR 63.646(f)(2)] Set rim space vents to open only when the floating roof is not floating or when the pressure beneath the rim seal exceeds the manufacturer's recommended setting. Subpart CC. [40 CFR 63.646(f)(2)]
- 584 [40 CFR 63.646(f)(3)] Keep automatic bleeder vents closed at all times when the roof is floating except when the roof is being floated off or is being landed on the roof leg supports. Subpart CC. [40 CFR 63.646(f)(3)]
- 585 [40 CFR 63.654(h)(2)(i)] Notify DEQ of the refilling of each Group 1 storage vessel that has been emptied and degassed, in order to afford DEQ the opportunity to have an observer present. Submit notification in writing according to the schedules specified in 40 CFR 63.654(h)(2)(i)(A) through (h)(2)(i)(C). Subpart CC. [40 CFR 63.654(h)(2)(i)]
- 586 [40 CFR 63.654(h)(2)(ii)] Notify DEQ in writing of any seal gap measurements at least 30 calendar days in advance of any gap measurements required by 40 CFR 63.120(b)(1) or (b)(2) of 40 CFR 63 Subpart G. Subpart CC. [40 CFR 63.654(h)(2)(ii)]
- 587 [40 CFR 63.654(i)(1)] Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep the records specified in 40 CFR 63.123 of 40 CFR 63 Subpart G, except as specified in 40 CFR 63.654(i)(1)(i) through (i)(1)(iv). Subpart CC. [40 CFR 63.654(i)(1)]
- 588 [LAC 33:III.2103.B] Equip with a submerged fill pipe.
- 589 [LAC 33:III.2103.D.2.a] Seal closure devices required in LAC 33:III.2103.D shall have no visible holes, tears, or other openings in the seals or seal fabric.
- 590 [LAC 33:III.2103.D.2.b] Seal closure devices required in LAC 33:III.2103.D shall be intact and uniformly in place around the circumference of the floating roof and the tank wall.
- 591 [LAC 33:III.2103.D.2.c] Seal gap area $\leq 1 \text{ in}^2/\text{ft}$ of tank diameter (6.5 cm²/0.3 m), for gaps between the secondary seal and tank wall that exceed 1/8 inch (0.32 cm) in width.
- 592 [LAC 33:III.2103.D.2.d] Which Months: All Year Statistical Basis: None specified
 Seal gap area $\leq 10 \text{ in}^2/\text{ft}$ of tank diameter (65 cm²/0.3 m), for gaps between the primary seal and tank wall that exceed 1/8 inch (0.32 cm) in width.
- 593 [LAC 33:III.2103.D.2.e] Which Months: All Year Statistical Basis: None specified
 Equipment/operational data recordkeeping by electronic or hard copy upon occurrence of event. Keep records of conditions that are not up to the standards described in LAC 33:III.2103.D.2, and the date(s) that the standards are not met. Notify the administrative authority within seven days of noncompliance with LAC 33:III.2103.D.2.
- 594 [LAC 33:III.2103.D.2.e] Initiate repairs of seals within seven working days of recognition of defective conditions by ordering appropriate parts, to avoid noncompliance with LAC 33:III.2103. Complete repairs within three months of the ordering of the repair parts.
- 595 [LAC 33:III.2103.D.2.e] Primary seals: Seal gap area & width monitored by measurement once every five years at any tank level, provided the roof is off its legs.
 Which Months: All Year Statistical Basis: None specified
- 596 [LAC 33:III.2103.D.2.e] Secondary Seal or closure mechanism monitored by visual inspection/determination semiannually.
 Which Months: All Year Statistical Basis: None specified
- 597 [LAC 33:III.2103.D.2.e] Secondary seals: Seal gap area & width monitored by measurement annually at any tank level, provided the roof is off its legs.
 Which Months: All Year Statistical Basis: None specified
- 598 [LAC 33:III.2103.D.3] Equip all covers, seals, lids, automatic bleeder vents and rim space vents with gaskets.

SPECIFIC REQUIREMENTS

AI ID: 1406 - Motiva Enterprises LLC - Norco Refinery

Activity Number: PER20020014

Permit Number: 2913-V0

Air - Title V Regular Permit Renewal

EQ10232 1239-95, External Floating Roof Tank F-482

- 599 [LAC 33:III.2103.D.3] Provide all openings in the external floating roof (except for automatic bleeder vents, rim space vent, and leg sleeves) with a projection below the liquid surface. Equip each opening in the roof (except for automatic bleeder vents, rim space vents, roof drains, and leg sleeves) with a cover, seal or lid that is to be maintained in a closed position at all times except when the device is in actual use. Keep automatic bleeder vents closed at all times except when the roof is being floated off the roof leg supports. Set rim vents to open when the roof is being floated off the roof leg supports or at the manufacturer's recommended setting. Equip any emergency roof drain with a slotted membrane fabric cover or equivalent cover that covers at least 90 percent of the opening.
- 600 [LAC 33:III.2103.D] Equip external floating roof with a primary closure seal, consisting of a liquid mounted seal or a mechanical shoe seal, as defined in LAC 33:III.2103.C.1.a and b.
- 601 [LAC 33:III.2103.D] Equip with an external floating roof consisting of a pontoon type roof, double deck type roof, or external floating cover which will rest or float on the surface of the liquid contents and is equipped with a primary closure seal to close the space between the roof edge and tank wall and a continuous secondary seal (a rim mounted secondary) extending from the floating roof to the tank wall.
- 602 [LAC 33:III.2103.H.1] Determine compliance with LAC 33:III.2103.D.2 using the methods in LAC 33:III.2103.H.1.
- 603 [LAC 33:III.2103.H.3] Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a-e.
- 604 [LAC 33:III.2103.I] Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable.
- 605 [LAC 33:III.5109.A] Compliance with all the applicable requirements of NESHAP, 40 CFR 63, Subpart CC is considered compliance with all the applicable requirements of LAC 33:III.5109.A.

EQ10233 1241-95, External Floating Roof Tank F-463

- 606 [40 CFR 63.646(a)] Comply with the requirements of 40 CFR 63.119 through 63.121, except as provided in 40 CFR 63.646(b) through (l). Subpart CC. [40 CFR 63.646(a)]
- 607 [40 CFR 63.646(f)(1)] If a cover or lid is installed on a floating roof, keep the cover or lid closed except when it must be open for access. Subpart CC. [40 CFR 63.646(f)(1)]
- 608 [40 CFR 63.646(f)(2)] Set rim space vents to open only when the floating roof is not floating or when the pressure beneath the rim seal exceeds the manufacturer's recommended setting. Subpart CC. [40 CFR 63.646(f)(2)]
- 609 [40 CFR 63.646(f)(3)] Keep automatic bleeder vents closed at all times when the roof is floating except when the roof is being floated off or is being landed on the roof leg supports. Subpart CC. [40 CFR 63.646(f)(3)]
- 610 [40 CFR 63.654(h)(2)(i)] Notify DEQ of the refilling of each Group 1 storage vessel that has been emptied and degassed, in order to afford DEQ the opportunity to have an observer present. Submit notification in writing according to the schedules specified in 40 CFR 63.654(h)(2)(i)(A) through (h)(2)(i)(C). Subpart CC. [40 CFR 63.654(h)(2)(i)]
- 611 [40 CFR 63.654(h)(2)(ii)] Notify DEQ in writing of any seal gap measurements at least 30 calendar days in advance of any gap measurements required by 40 CFR 63.120(b)(1) or (b)(2) of 40 CFR 63 Subpart G. Subpart CC. [40 CFR 63.654(h)(2)(ii)]
- 612 [40 CFR 63.654(i)(1)] Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep the records specified in 40 CFR 63.123 of 40 CFR 63 Subpart G, except as specified in 40 CFR 63.654(i)(1)(i) through (i)(1)(iv). Subpart CC. [40 CFR 63.654(i)(1)]
- 613 [LAC 33:III.2103.B] Equip with a submerged fill pipe.
- 614 [LAC 33:III.2103.D.2.a] Seal closure devices required in LAC 33:III.2103.D shall have no visible holes, tears, or other openings in the seals or seal fabric.

SPECIFIC REQUIREMENTS

AI ID: 1406 - Motiva Enterprises LLC - Norco Refinery
Activity Number: PER20020014
Permit Number: 2913-V0
Air - Title V Regular Permit Renewal

EQT0233 1241-95, External Floating Roof Tank F-463

- 615 [LAC 33:III.2103.D.2.b] Seal closure devices required in LAC 33:III.2103.D shall be intact and uniformly in place around the circumference of the floating roof and the tank wall.
- 616 [LAC 33:III.2103.D.2.c] Seal gap area $\leq 1 \text{ in}^2/\text{ft}$ of tank diameter (6.5 cm²/0.3 m), for gaps between the secondary seal and tank wall that exceed 1/8 inch (0.32 cm) in width.
- 617 [LAC 33:III.2103.D.2.d] Which Months: All Year Statistical Basis: None specified
 Seal gap area $\leq 10 \text{ in}^2/\text{ft}$ of tank diameter (65 cm²/0.3 m), for gaps between the primary seal and tank wall that exceed 1/8 inch (0.32 cm) in width.
- 618 [LAC 33:III.2103.D.2.e] Which Months: All Year Statistical Basis: None specified
 Equipment/operational data recordkeeping by electronic or hard copy upon occurrence of event. Keep records of conditions that are not up to the standards described in LAC 33:III.2103.D.2, and the date(s) that the standards are not met. Notify the administrative authority within seven days of noncompliance with LAC 33:III.2103.D.2.
- 619 [LAC 33:III.2103.D.2.e] Initiate repairs of seals within seven working days of recognition of defective conditions by ordering appropriate parts, to avoid noncompliance with LAC 33:III.2103. Complete repairs within three months of the ordering of the repair parts.
- 620 [LAC 33:III.2103.D.2.e] Primary seals: Seal gap area & width monitored by measurement once every five years at any tank level, provided the roof is off its legs.
 Which Months: All Year Statistical Basis: None specified
 Secondary Seal or closure mechanism monitored by visual inspection/determination semiannually.
- 621 [LAC 33:III.2103.D.2.e] Which Months: All Year Statistical Basis: None specified
 Secondary seals: Seal gap area & width monitored by measurement annually at any tank level, provided the roof is off its legs.
 Which Months: All Year Statistical Basis: None specified
 Equip all covers, seals, lids, automatic bleeder vents and rim space vents with gaskets.
- 623 [LAC 33:III.2103.D.3] Provide all openings in the external floating roof (except for automatic bleeder vents, rim space vent, and leg sleeves) with a projection below the liquid surface. Equip each opening in the roof (except for automatic bleeder vents, rim space vents, roof drains, and leg sleeves) with a cover.
- 624 [LAC 33:III.2103.D.3] seal or lid that is to be maintained in a closed position at all times except when the device is in actual use. Keep automatic bleeder vents closed at all times except when the roof is being floated off the roof leg supports. Set rim vents to open when the roof is being floated off the roof leg supports or at the manufacturer's recommended setting. Equip any emergency roof drain with a slotted membrane fabric cover or equivalent cover that covers at least 90 percent of the opening.
- 625 [LAC 33:III.2103.D] Equip external floating roof with a primary closure seal, consisting of a liquid mounted seal or a mechanical shoe seal, as defined in LAC 33:III.2103.C.1.a and b.
- 626 [LAC 33:III.2103.D] Equip with an external floating roof consisting of a pontoon type roof, double deck type roof, or external floating cover which will rest or float on the surface of the liquid contents and is equipped with a primary closure seal to close the space between the roof edge and tank wall and a continuous secondary seal (a rim mounted secondary) extending from the floating roof to the tank wall.
- 627 [LAC 33:III.2103.H.1] Determine compliance with LAC 33:III.2103.D.2 using the methods in LAC 33:III.2103.H.1.
- 628 [LAC 33:III.2103.H.3] Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a-e.
- 629 [LAC 33:III.2103.J] Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable.
- 630 [LAC 33:III.5109.A] Compliance with all the applicable requirements of NESHAP, 40 CFR 63, Subpart CC is considered compliance with all the applicable requirements of LAC 33:III.5109.A.

SPECIFIC REQUIREMENTS

AI ID: 1406 - Motiva Enterprises LLC - Norco Refinery

Activity Number: PER20020014

Permit Number: 2913-V0

Air - Title V Regular Permit Renewal

EQT0234 1242-95, External Floating Roof Tank F-479

- 631 [40 CFR 63.646(a)] Comply with the requirements of 40 CFR 63.119 through 63.121, except as provided in 40 CFR 63.646(b) through (l). Subpart CC. [40 CFR 63.646(a)]
- 632 [40 CFR 63.646(f)(1)] If a cover or lid is installed on an opening on a floating roof, keep the cover or lid closed except when it must be open for access. Subpart CC. [40 CFR 63.646(f)(1)]
- 633 [40 CFR 63.646(f)(2)] Set rim space vents to open only when the floating roof is not floating or when the pressure beneath the rim seal exceeds the manufacturer's recommended setting. Subpart CC. [40 CFR 63.646(f)(2)]
- 634 [40 CFR 63.646(f)(3)] Keep automatic bleeder vents closed at all times when the roof is floating except when the roof is being floated off or is being landed on the roof leg supports. Subpart CC. [40 CFR 63.646(f)(3)]
- 635 [40 CFR 63.654(h)(2)(i)] Notify DEQ of the refilling of each Group 1 storage vessel that has been emptied and degassed, in order to afford DEQ the opportunity to have an observer present. Submit notification in writing according to the schedules specified in 40 CFR 63.654(h)(2)(i)(A) through (h)(2)(i)(C). Subpart CC. [40 CFR 63.654(h)(2)(i)]
- 636 [40 CFR 63.654(h)(2)(ii)] Notify DEQ in writing of any seal gap measurements at least 30 calendar days in advance of any gap measurements required by 40 CFR 63.120(b)(1) or (b)(2) of 40 CFR 63 Subpart G. Subpart CC. [40 CFR 63.654(h)(2)(ii)]
- 637 [40 CFR 63.654(i)(1)] Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep the records specified in 40 CFR 63.123 of 40 CFR 63 Subpart G, except as specified in 40 CFR 63.654(i)(1)(i) through (i)(1)(iv). Subpart CC. [40 CFR 63.654(i)(1)]
- 638 [LAC 33:III.2103.B] Equip with a submerged fill pipe.
- 639 [LAC 33:III.2103.D.2.a] Seal closure devices required in LAC 33:III.2103.D shall have no visible holes, tears, or other openings in the seals or seat fabric.
- 640 [LAC 33:III.2103.D.2.b] Seal closure devices required in LAC 33:III.2103.D shall be intact and uniformly in place around the circumference of the floating roof and the tank wall.
- 641 [LAC 33:III.2103.D.2.c] Seal gap area $\leq 1 \text{ in}^2/\text{ft}$ of tank diameter (6.5 $\text{cm}^2/0.3 \text{ m}$), for gaps between the secondary seal and tank wall that exceed $1/8 \text{ inch}$ (0.32 cm) in width.
- 642 [LAC 33:III.2103.D.2.d] Which Months: All Year Statistical Basis: None specified
Seal gap area $\leq 10 \text{ in}^2/\text{ft}$ of tank diameter (65 $\text{cm}^2/0.3 \text{ m}$), for gaps between the primary seal and tank wall that exceed $1/8 \text{ inch}$ (0.32 cm) in width.
- 643 [LAC 33:III.2103.D.2.e] Which Months: All Year Statistical Basis: None specified
Equipment/operational data recordkeeping by electronic or hard copy upon occurrence of event. Keep records of conditions that are not up to the standards described in LAC 33:III.2103.D.2, and the date(s) that the standards are not met. Notify the administrative authority within seven days of noncompliance with LAC 33:III.2103.D.2.
- 644 [LAC 33:III.2103.D.2.e] Initiate repairs of seals within seven working days of recognition of defective conditions by ordering appropriate parts, to avoid noncompliance with LAC 33:III.2103. Complete repairs within three months of the ordering of the repair parts.
- 645 [LAC 33:III.2103.D.2.e] Primary seals: Seal gap area & width monitored by measurement once every five years at any tank level, provided the roof is off its legs.
Which Months: All Year Statistical Basis: None specified
- 646 [LAC 33:III.2103.D.2.e] Secondary Seal or closure mechanism monitored by visual inspection/determination semiannually.
Which Months: All Year Statistical Basis: None specified
- 647 [LAC 33:III.2103.D.2.e] Secondary seals: Seal gap area & width monitored by measurement annually at any tank level, provided the roof is off its legs.
Which Months: All Year Statistical Basis: None specified
- 648 [LAC 33:III.2103.D.3] Equip all covers, seals, lids, automatic bleeder vents and rim space vents with gaskets.

SPECIFIC REQUIREMENTS

AI ID: 1406 - Motiva Enterprises LLC - Norco Refinery
Activity Number: PER20020014
Permit Number: 2913-V0
Air - Title V Regular Permit Renewal

EQI0234 1242-95, External Floating Roof Tank F-479

- 649 [LAC 33:III.2103.D.3] Provide all openings in the external floating roof (except for automatic bleeder vents, rim space vent, and leg sleeves) with a projection below the liquid surface. Equip each opening in the roof (except for automatic bleeder vents, rim space vents, roof drains, and leg sleeves) with a cover, seal or lid that is to be maintained in a closed position at all times except when the device is in actual use. Keep automatic bleeder vents closed at all times except when the roof is being floated off the roof leg supports. Set rim vents to open when the roof is being floated off the roof leg supports or at the manufacturer's recommended setting. Equip any emergency roof drain with a slotted membrane fabric cover or equivalent cover that covers at least 90 percent of the opening.
- 650 [LAC 33:III.2103.D] Equip external floating roof with a primary closure seal, consisting of a liquid mounted seal or a mechanical shoe seal, as defined in LAC 33:III.2103.C.1.a and b.
- 651 [LAC 33:III.2103.D] Equip with an external floating roof consisting of a pontoon type roof, double deck type roof, or external floating cover which will rest or float on the surface of the liquid contents and is equipped with a primary closure seal to close the space between the roof edge and tank wall and a continuous secondary seal (a rim mounted secondary) extending from the floating roof to the tank wall.
- 652 [LAC 33:III.2103.H.1] Determine compliance with LAC 33:III.2103.D.2 using the methods in LAC 33:III.2103.H.1.
- 653 [LAC 33:III.2103.H.3] Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a-e.
- 654 [LAC 33:III.2103.I] Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable.
- 655 [LAC 33:III.5109.A] Compliance with all the applicable requirements of NESHAP, 40 CFR 63, Subpart CC is considered compliance with all the applicable requirements of LAC 33:III.5109.A.

EQI0235 1245-95, External Floating Roof Tank F-466

- 656 [40 CFR 63.646(a)] Comply with the requirements of 40 CFR 63.119 through 63.121, except as provided in 40 CFR 63.646(b) through (l). Subpart CC. [40 CFR 63.646(a)]
- 657 [40 CFR 63.646(f)(1)] If a cover or lid is installed on an opening on a floating roof, keep the cover or lid closed except when it must be open for access. Subpart CC. [40 CFR 63.646(f)(1)]
- 658 [40 CFR 63.646(f)(2)] Set rim space vents to open only when the floating roof is not floating or when the pressure beneath the rim seal exceeds the manufacturer's recommended setting. Subpart CC. [40 CFR 63.646(f)(2)]
- 659 [40 CFR 63.646(f)(3)] Keep automatic bleeder vents closed at all times when the roof is floating except when the roof is being floated off or is being landed on the roof leg supports. Subpart CC. [40 CFR 63.646(f)(3)]
- 660 [40 CFR 63.654(h)(2)(i)] Notify DEQ of the refilling of each Group 1 storage vessel that has been emptied and degassed, in order to afford DEQ the opportunity to have an observer present. Submit notification in writing according to the schedules specified in 40 CFR 63.654(h)(2)(i)(A) through (h)(2)(i)(C). Subpart CC. [40 CFR 63.654(h)(2)(i)]
- 661 [40 CFR 63.654(h)(2)(ii)] Notify DEQ in writing of any seal gap measurements at least 30 calendar days in advance of any gap measurements required by 40 CFR 63.120(b)(1) or (b)(2) of 40 CFR 63 Subpart G. Subpart CC. [40 CFR 63.654(h)(2)(ii)]
- 662 [40 CFR 63.654(i)(1)] Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep the records specified in 40 CFR 63.123 of 40 CFR 63 Subpart G, except as specified in 40 CFR 63.654(i)(i) through (i)(iv). Subpart CC. [40 CFR 63.654(i)(1)]
- 663 [LAC 33:III.2103.B] Equip with a submerged fill pipe.
- 664 [LAC 33:III.2103.D.2.a] Seal closure devices required in LAC 33:III.2103.D shall have no visible holes, tears, or other openings in the seals or seal fabric.

SPECIFIC REQUIREMENTS

AI ID: 1406 - Motiva Enterprises LLC - Norco Refinery
Activity Number: PER20020014
Permit Number: 2913-V0
Air - Title V Regular Permit Renewal

EQ020235 1245-95, External Floating Roof Tank F-466

- 665 [LAC 33:III.2103.D.2.b] Seal closure devices required in LAC 33:III.2103.D shall be intact and uniformly in place around the circumference of the floating roof and the tank wall.
- 666 [LAC 33:III.2103.D.2.c] Seal gap area $\leq 1 \text{ in}^2/\text{ft}$ of tank diameter (6.5 cm²/0.3 m), for gaps between the secondary seal and tank wall that exceed 1/8 inch (0.32 cm) in width.
- 667 [LAC 33:III.2103.D.2.d] Which Months: All Year Statistical Basis: None specified Seal gap area $\leq 10 \text{ in}^2/\text{ft}$ of tank diameter (65 cm²/0.3 m), for gaps between the primary seal and tank wall that exceed 1/8 inch (0.32 cm) in width.
- 668 [LAC 33:III.2103.D.2.e] Which Months: All Year Statistical Basis: None specified Equipment/operational data recordkeeping by electronic or hard copy upon occurrence of event. Keep records of conditions that are not up to the standards described in LAC 33:III.2103.D.2, and the date(s) that the standards are not met. Notify the administrative authority within seven days of noncompliance with LAC 33:III.2103.D.2.
- 669 [LAC 33:III.2103.D.2.e] Initiate repairs of seals within seven working days of recognition of defective conditions by ordering appropriate parts, to avoid noncompliance with LAC 33:III.2103. Complete repairs within three months of the ordering of the repair parts.
- 670 [LAC 33:III.2103.D.2.e] Primary seals: Seal gap area & width monitored by measurement once every five years at any tank level, provided the roof is off its legs. Which Months: All Year Statistical Basis: None specified Secondary Seal or closure mechanism monitored by visual inspection/determination semiannually.
- 671 [LAC 33:III.2103.D.2.e] Which Months: All Year Statistical Basis: None specified Secondary seals: Seal gap area & width monitored by measurement annually at any tank level, provided the roof is off its legs.
- 672 [LAC 33:III.2103.D.2.e] Which Months: All Year Statistical Basis: None specified Equip all covers, seals, lids, automatic bleeder vents and rim space vents with gaskets.
- 673 [LAC 33:III.2103.D.3] Provide all openings in the external floating roof (except for automatic bleeder vents, rim space vent, and leg sleeves) with a projection below the liquid surface. Equip each opening in the roof (except for automatic bleeder vents, rim space vents, roof drains, and leg sleeves) with a cover, seal or lid that is to be maintained in a closed position at all times except when the device is in actual use. Keep automatic bleeder vents closed at all times except when the roof is being floated off the roof leg supports. Set rim vents to open when the roof is being floated off the roof leg supports or at the manufacturer's recommended setting. Equip any emergency roof drain with a slotted membrane fabric cover or equivalent cover that covers at least 90 percent of the opening.
- 674 [LAC 33:III.2103.D.3] Equip external floating roof with a primary closure seal, consisting of a liquid mounted seal or a mechanical shoe seal, as defined in LAC 33:III.2103.C.1.a and b.
- 675 [LAC 33:III.2103.D] Equip with an external floating roof consisting of a pontoon type roof, double deck type roof, or external floating cover which will rest or float on the surface of the liquid contents and is equipped with a primary closure seal to close the space between the roof edge and tank wall and a continuous secondary seal (a rim mounted secondary) extending from the floating roof to the tank wall.
- 676 [LAC 33:III.2103.D] Determine compliance with LAC 33:III.2103.D.2 using the methods in LAC 33:III.2103.H.1.
- 677 [LAC 33:III.2103.H.1] Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a-e.
- 678 [LAC 33:III.2103.H.3] Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable.
- 679 [LAC 33:III.2103.I] Compliance with all the applicable requirements of NESHAP, 40 CFR 63, Subpart CC is considered compliance with all the applicable requirements of LAC 33:III.5109.A.
- 680 [LAC 33:III.5109.A]

SPECIFIC REQUIREMENTS

AI ID: 1406 - Motiva Enterprises LLC - Norco Refinery
Activity Number: PER20020014
Permit Number: 2913-V0
Air - Title V Regular Permit Renewal

EQI0236 1246-95, External Floating Roof Tank F-484

- 681 [40 CFR 63.646(a)] Comply with the requirements of 40 CFR 63.119 through 63.121, except as provided in 40 CFR 63.646(b) through (l). Subpart CC. [40 CFR 63.646(a)]
- 682 [40 CFR 63.646(f)(1)] If a cover or lid is installed on an opening on a floating roof, keep the cover or lid closed except when it must be open for access. Subpart CC. [40 CFR 63.646(f)(1)]
- 683 [40 CFR 63.646(f)(2)] Set rim space vents to open only when the floating roof is not floating or when the pressure beneath the rim seal exceeds the manufacturer's recommended setting. Subpart CC. [40 CFR 63.646(f)(2)]
- 684 [40 CFR 63.646(f)(3)] Keep automatic bleeder vents closed at all times when the roof is floating except when the roof is being floated off or is being landed on the roof leg supports. Subpart CC. [40 CFR 63.646(f)(3)]
- 685 [40 CFR 63.654(h)(2)(i)] Notify DEQ of the refilling of each Group 1 storage vessel that has been emptied and degassed, in order to afford DEQ the opportunity to have an observer present. Submit notification in writing according to the schedules specified in 40 CFR 63.654(h)(2)(i)(A) through (h)(2)(i)(C). Subpart CC. [40 CFR 63.654(h)(2)(i)]
- 686 [40 CFR 63.654(h)(2)(ii)] Notify DEQ in writing of any seal gap measurements at least 30 calendar days in advance of any gap measurements required by 40 CFR 63.120(b)(1) or (b)(2) of 40 CFR 63 Subpart G. Subpart CC. [40 CFR 63.654(h)(2)(ii)]
- 687 [40 CFR 63.654(i)(1)] Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep the records specified in 40 CFR 63.123 of 40 CFR 63 Subpart G, except as specified in 40 CFR 63.654(i)(1)(i) through (i)(1)(iv). Subpart CC. [40 CFR 63.654(i)(1)]
- 688 [LAC 33:III.2103.B] Equip with a submerged fill pipe.
- 689 [LAC 33:III.2103.D.2.a] Seal closure devices required in LAC 33:III.2103.D shall have no visible holes, tears, or other openings in the seals or seal fabric.
- 690 [LAC 33:III.2103.D.2.b] Seal closure devices required in LAC 33:III.2103.D shall be intact and uniformly in place around the circumference of the floating roof and the tank wall.
- 691 [LAC 33:III.2103.D.2.c] Seal gap area $\leq 1 \text{ in}^2/\text{ft}$ of tank diameter (6.5 cm²/0.3 m), for gaps between the secondary seal and tank wall that exceed 1/8 inch (0.32 cm) in width.
- 692 [LAC 33:III.2103.D.2.d] Which Months: All Year Statistical Basis: None specified
 Seal gap area $\leq 10 \text{ in}^2/\text{ft}$ of tank diameter (65 cm²/0.3 m), for gaps between the primary seal and tank wall that exceed 1/8 inch (0.32 cm) in width.
- 693 [LAC 33:III.2103.D.2.e] Which Months: All Year Statistical Basis: None specified
 Equipment/operational data recordkeeping by electronic or hard copy upon occurrence of event. Keep records of conditions that are not up to the standards described in LAC 33:III.2103.D.2, and the date(s) that the standards are not met. Notify the administrative authority within seven days of noncompliance with LAC 33:III.2103.D.2.
- 694 [LAC 33:III.2103.D.2.e] Initiate repairs of seals within seven working days of recognition of defective conditions by ordering appropriate parts, to avoid noncompliance with LAC 33:III.2103. Complete repairs within three months of the ordering of the repair parts.
- 695 [LAC 33:III.2103.D.2.e] Primary seals: Seal gap area & width monitored by measurement once every five years at any tank level, provided the roof is off its legs.
 Which Months: All Year Statistical Basis: None specified
- 696 [LAC 33:III.2103.D.2.e] Secondary Seal or closure mechanism monitored by visual inspection/determination semiannually.
 Which Months: All Year Statistical Basis: None specified
- 697 [LAC 33:III.2103.D.2.e] Secondary seals: Seal gap area & width monitored by measurement annually at any tank level, provided the roof is off its legs.
 Which Months: All Year Statistical Basis: None specified
- 698 [LAC 33:III.2103.D.3] Equip all covers, seals, lids, automatic bleeder vents and rim space vents with gaskets.

SPECIFIC REQUIREMENTS

AI ID: 1406 - Motiva Enterprises LLC - Norco Refinery
Activity Number: PER20020014
Permit Number: 2913-V0
Air - Title V Regular Permit Renewal

EQT0236 1246-95, External Floating Roof Tank F-484

- 699 [LAC 33:III.2103.D.3] Provide all openings in the external floating roof (except for automatic bleeder vents, rim space vent, and leg sleeves) with a projection below the liquid surface. Equip each opening in the roof (except for automatic bleeder vents, rim space vents, roof drains, and leg sleeves) with a cover, seal or lid that is to be maintained in a closed position at all times except when the device is in actual use. Keep automatic bleeder vents closed at all times except when the roof is being floated off the roof leg supports. Set rim vents to open when the roof is being floated off the roof leg supports or at the manufacturer's recommended setting. Equip any emergency roof drain with a slotted membrane fabric cover or equivalent cover that covers at least 90 percent of the opening.
- 700 [LAC 33:III.2103.D] Equip external floating roof with a primary closure seal, consisting of a liquid mounted seal or a mechanical shoe seal, as defined in LAC 33:III.2103.C.1.a and b.
- 701 [LAC 33:III.2103.D] Equip with an external floating roof consisting of a pontoon type roof, double deck type roof, or external floating cover which will rest or float on the surface of the liquid contents and is equipped with a primary closure seal to close the space between the roof edge and tank wall and a continuous secondary seal (a rim mounted secondary) extending from the floating roof to the tank wall.
- 702 [LAC 33:III.2103.H.1] Determine compliance with LAC 33:III.2103.D.2 using the methods in LAC 33:III.2103.H.1.
- 703 [LAC 33:III.2103.H.3] Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a-e.
- 704 [LAC 33:III.2103.I] Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable.
- 705 [LAC 33:III.5109.A] Compliance with all the applicable requirements of NESHAP, 40 CFR 63, Subpart CC is considered compliance with all the applicable requirements of LAC 33:III.5109.A.

EQT0237 1247-95, External Floating Roof Tank F-493

- 706 [40 CFR 63.646(a)] Comply with the requirements of 40 CFR 63.119 through 63.121, except as provided in 40 CFR 63.646(b) through (l). Subpart CC. [40 CFR 63.646(a)]
- 707 [40 CFR 63.646(f)(1)] If a cover or lid is installed on an opening on a floating roof, keep the cover or lid closed except when it must be open for access. Subpart CC. [40 CFR 63.646(f)(1)]
- 708 [40 CFR 63.646(f)(2)] Set rim space vents to open only when the floating roof is not floating or when the pressure beneath the rim seal exceeds the manufacturer's recommended setting. Subpart CC. [40 CFR 63.646(f)(2)]
- 709 [40 CFR 63.646(f)(3)] Keep automatic bleeder vents closed at all times when the roof is floating except when the roof is being floated off or is being landed on the roof leg supports. Subpart CC. [40 CFR 63.646(f)(3)]
- 710 [40 CFR 63.654(h)(2)(i)] Notify DEQ of the refilling of each Group 1 storage vessel that has been emptied and degassed, in order to afford DEQ the opportunity to have an observer present. Submit notification in writing according to the schedules specified in 40 CFR 63.654(h)(2)(i)(A) through (h)(2)(i)(C). Subpart CC. [40 CFR 63.654(h)(2)(i)]
- 711 [40 CFR 63.654(h)(2)(ii)] Notify DEQ in writing of any seal gap measurements at least 30 calendar days in advance of any gap measurements required by 40 CFR 63.120(b)(1) or (b)(2) of 40 CFR 63 Subpart G. Subpart CC. [40 CFR 63.654(h)(2)(ii)]
- 712 [40 CFR 63.654(i)(1)] Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep the records specified in 40 CFR 63.123 of 40 CFR 63 Subpart G, except as specified in 40 CFR 63.654(i)(i) through (i)(iv). Subpart CC. [40 CFR 63.654(i)(1)]
- 713 [LAC 33:III.2103.B] Equip with a submerged fill pipe.
- 714 [LAC 33:III.2103.D.2.a] Seal closure devices required in LAC 33:III.2103.D shall have no visible holes, tears, or other openings in the seals or seal fabric.

SPECIFIC REQUIREMENTS

AI ID: 1406 - Motiva Enterprises LLC - Norco Refinery

Activity Number: PER20020014

Permit Number: 2913-V0

Air - Title V Regular Permit Renewal

EQI0237 1247-95, External Floating Roof Tank F-493

- 715 [LAC 33:III.2103.D.2.b] Seal closure devices required in LAC 33:III.2103.D shall be intact and uniformly in place around the circumference of the floating roof and the tank wall.
- 716 [LAC 33:III.2103.D.2.c] Seal gap area $\leq 1 \text{ in}^2/\text{ft}$ of tank diameter (6.5 cm²/0.3 m), for gaps between the secondary seal and tank wall that exceed 1/8 inch (0.32 cm) in width.
- 717 [LAC 33:III.2103.D.2.d] Which Months: All Year Statistical Basis: None specified
Seal gap area $\leq 10 \text{ in}^2/\text{ft}$ of tank diameter (65 cm²/0.3 m), for gaps between the primary seal and tank wall that exceed 1/8 inch (0.32 cm) in width.
- 718 [LAC 33:III.2103.D.2.e] Which Months: All Year Statistical Basis: None specified
Equipment/operational data recordkeeping by electronic or hard copy upon occurrence of event. Keep records of conditions that are not up to the standards described in LAC 33:III.2103.D.2, and the date(s) that the standards are not met. Notify the administrative authority within seven days of noncompliance with LAC 33:III.2103.D.2.
- 719 [LAC 33:III.2103.D.2.e] Initiate repairs of seals within seven working days of recognition of defective conditions by ordering appropriate parts, to avoid noncompliance with LAC 33:III.2103. Complete repairs within three months of the ordering of the repair parts.
- 720 [LAC 33:III.2103.D.2.e] Primary seals: Seal gap area & width monitored by measurement once every five years at any tank level, provided the roof is off its legs.
Which Months: All Year Statistical Basis: None specified
Secondary Seal or closure mechanism monitored by visual inspection/determination semiannually.
- 721 [LAC 33:III.2103.D.2.e] Which Months: All Year Statistical Basis: None specified
- 722 [LAC 33:III.2103.D.2.e] Secondary seals: Seal gap area & width monitored by measurement annually at any tank level, provided the roof is off its legs.
Which Months: All Year Statistical Basis: None specified
- 723 [LAC 33:III.2103.D.3] Equip all covers, seals, lids, automatic bleeder vents and rim space vents with gaskets.
- 724 [LAC 33:III.2103.D.3] Provide all openings in the external floating roof (except for automatic bleeder vents, rim space vent, and leg sleeves) with a projection below the liquid surface. Equip each opening in the roof (except for automatic bleeder vents, rim space vents, roof drains, and leg sleeves) with a cover, seal or lid that is to be maintained in a closed position at all times except when the device is in actual use. Keep automatic bleeder vents closed at all times except when the roof is being floated off the roof leg supports. Set rim vents to open when the roof is being floated off the roof leg supports or at the manufacturer's recommended setting. Equip any emergency roof drain with a slotted membrane fabric cover or equivalent cover that covers at least 90 percent of the opening.
- 725 [LAC 33:III.2103.D] Equip external floating roof with a primary closure seal, consisting of a liquid mounted seal or a mechanical shoe seal, as defined in LAC 33:III.2103.C.1.a and b.
- 726 [LAC 33:III.2103.D] Equip with an external floating roof consisting of a pontoon type roof, double deck type roof, or external floating cover which will rest or float on the surface of the liquid contents and is equipped with a primary closure seal to close the space between the roof edge and tank wall and a continuous secondary seal (a rim mounted secondary) extending from the floating roof to the tank wall.
- 727 [LAC 33:III.2103.H.1] Determine compliance with LAC 33:III.2103.D.2 using the methods in LAC 33:III.2103.H.1.
- 728 [LAC 33:III.2103.H.3] Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a-e.
- 729 [LAC 33:III.2103.I] Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable.
- 730 [LAC 33:III.5109.A] Compliance with all the applicable requirements of NESHAP, 40 CFR 63, Subpart CC is considered compliance with all the applicable requirements of LAC 33:III.5109.A.

SPECIFIC REQUIREMENTS

AI ID: 1406 - Motiva Enterprises LLC - Norco Refinery
Activity Number: PER20020014
Permit Number: 2913-V0
Air - Title V Regular Permit Renewal

EQT0238 1253-95, External Floating Roof Tank F-464

- 731 [40 CFR 63.646(a)] Comply with the requirements of 40 CFR 63.119 through 63.121, except as provided in 40 CFR 63.646(b) through (l). Subpart CC. [40 CFR 63.646(a)]
- 732 [40 CFR 63.646(f)(1)] If a cover or lid is installed on an opening on a floating roof, keep the cover or lid closed except when it must be open for access. Subpart CC. [40 CFR 63.646(f)(1)]
- 733 [40 CFR 63.646(f)(2)] Set rim space vents to open only when the floating roof is not floating or when the pressure beneath the rim seal exceeds the manufacturer's recommended setting. Subpart CC. [40 CFR 63.646(f)(2)]
- 734 [40 CFR 63.646(f)(3)] Keep automatic bleeder vents closed at all times when the roof is floating except when the roof is being floated off or is being landed on the roof leg supports. Subpart CC. [40 CFR 63.646(f)(3)]
- 735 [40 CFR 63.654(h)(2)(i)] Notify DEQ of the refilling of each Group 1 storage vessel that has been emptied and degassed, in order to afford DEQ the opportunity to have an observer present. Submit notification in writing according to the schedules specified in 40 CFR 63.654(h)(2)(i)(A) through (h)(2)(i)(C). Subpart CC. [40 CFR 63.654(h)(2)(i)]
- 736 [40 CFR 63.654(h)(2)(ii)] Notify DEQ in writing of any seal gap measurements at least 30 calendar days in advance of any gap measurements required by 40 CFR 63.120(b)(1) or (b)(2) of 40 CFR 63 Subpart G. Subpart CC. [40 CFR 63.654(h)(2)(ii)]
- 737 [40 CFR 63.654(i)(1)] Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep the records specified in 40 CFR 63.123 of 40 CFR 63 Subpart G, except as specified in 40 CFR 63.654(i)(1)(i) through (i)(1)(iv). Subpart CC. [40 CFR 63.654(i)(1)]
- 738 [LAC 33:III.2103.B] Equip with a submerged fill pipe.
- 739 [LAC 33:III.2103.D.2.a] Seal closure devices required in LAC 33:III.2103.D shall have no visible holes, tears, or other openings in the seals or seal fabric.
- 740 [LAC 33:III.2103.D.2.b] Seal closure devices required in LAC 33:III.2103.D shall be intact and uniformly in place around the circumference of the floating roof and the tank wall.
- 741 [LAC 33:III.2103.D.2.c] Seal gap area $\leq 1 \text{ in}^2/\text{ft}$ of tank diameter (6.5 cm²/0.3 m), for gaps between the secondary seal and tank wall that exceed 1/8 inch (0.32 cm) in width.
- 742 [LAC 33:III.2103.D.2.d] Which Months: All Year Statistical Basis: None specified
 Seal gap area $\leq 10 \text{ in}^2/\text{ft}$ of tank diameter (65 cm²/0.3 m), for gaps between the primary seal and tank wall that exceed 1/8 inch (0.32 cm) in width.
- 743 [LAC 33:III.2103.D.2.e] Which Months: All Year Statistical Basis: None specified
 Equipment/operational data recordkeeping by electronic or hard copy upon occurrence of event. Keep records of conditions that are not up to the standards described in LAC 33:III.2103.D.2, and the date(s) that the standards are not met. Notify the administrative authority within seven days of noncompliance with LAC 33:III.2103.D.2.
- 744 [LAC 33:III.2103.D.2.e] Initiate repairs of seals within seven working days of recognition of defective conditions by ordering appropriate parts, to avoid noncompliance with LAC 33:III.2103. Complete repairs within three months of the ordering of the repair parts.
- 745 [LAC 33:III.2103.D.2.e] Primary seals: Seal gap area & width monitored by measurement once every five years at any tank level, provided the roof is off its legs.
 Which Months: All Year Statistical Basis: None specified
- 746 [LAC 33:III.2103.D.2.e] Secondary Seal or closure mechanism monitored by visual inspection/determination semiannually.
 Which Months: All Year Statistical Basis: None specified
- 747 [LAC 33:III.2103.D.2.e] Secondary seals: Seal gap area & width monitored by measurement annually at any tank level, provided the roof is off its legs.
 Which Months: All Year Statistical Basis: None specified
- 748 [LAC 33:III.2103.D.3] Equip all covers, seals, lids, automatic bleeder vents and rim space vents with gaskets.

SPECIFIC REQUIREMENTS

AI ID: 1406 - Motiva Enterprises LLC - Norco Refinery
Activity Number: PER20020014
Permit Number: 2913-V0
Air - Title V Regular Permit Renewal

EQ10238 1253-95, External Floating Roof Tank F-464

- 749 [LAC 33:III.2103.D.3] Provide all openings in the external floating roof (except for automatic bleeder vents, rim space vent, and leg sleeves) with a projection below the liquid surface. Equip each opening in the roof (except for automatic bleeder vents, rim space vents, roof drains, and leg sleeves) with a cover, seal or lid that is to be maintained in a closed position at all times except when the device is in actual use. Keep automatic bleeder vents closed at all times except when the roof is being floated off the roof leg supports. Set rim vents to open when the roof is being floated off the roof leg supports or at the manufacturer's recommended setting. Equip any emergency roof drain with a slotted membrane fabric cover or equivalent cover that covers at least 90 percent of the opening.
- 750 [LAC 33:III.2103.D] Equip external floating roof with a primary closure seal, consisting of a liquid mounted seal or a mechanical shoe seal, as defined in LAC 33:III.2103.C.1.a and b.
- 751 [LAC 33:III.2103.D] Equip with an external floating roof consisting of a pontoon type roof, double deck type roof, or external floating cover which will rest or float on the surface of the liquid contents and is equipped with a primary closure seal to close the space between the roof edge and tank wall and a continuous secondary seal (a rim mounted secondary) extending from the floating roof to the tank wall.
- 752 [LAC 33:III.2103.H.1] Determine compliance with LAC 33:III.2103.D.2 using the methods in LAC 33:III.2103.H.1.
- 753 [LAC 33:III.2103.H.3] Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a-e.
- 754 [LAC 33:III.2103.I] Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable.
- 755 [LAC 33:III.5109.A] Compliance with all the applicable requirements of NESHAP, 40 CFR 63, Subpart CC is considered compliance with all the applicable requirements of LAC 33:III.5109.A.

EQ10239 1254-95, External Floating Roof Tank F-465

- 756 [40 CFR 60.112b(a)(2)(ii)] Except for automatic bleeder vents and rim space vents, each opening in a noncontact external floating roof shall provide a projection below the liquid surface. Except for automatic bleeder vents, rim space vents, roof drains, and leg sleeves, equip each opening in the roof with a gasketed cover, seal, or lid and maintain in a closed position at all times (i.e., no visible gap) except when the device is in actual use. Close automatic bleeder vents at all times when the roof is floating except when the roof is being floated off or is being landed on the roof leg supports. Set rim vents to open when the roof is being floated off the roof legs supports or at the manufacturer's recommended setting. Equip automatic bleeder vents and rim space vents with gaskets. Provide each emergency roof drain with a slotted membrane fabric cover that covers at least 90 percent of the area of the opening. Subpart Kb. [40 CFR 60.112b(a)(2)(ii)]
- 757 [40 CFR 60.112b(a)(2)] Equip with an external floating roof consisting of a pontoon-type or double-deck type cover that rests on the liquid surface in a vessel with no fixed roof. Equip with a closure device between the wall of the storage vessel and the roof edge. The closure device consists of two seals, secondary above the primary. The primary seal shall be either a mechanical shoe seal or a liquid-mounted seal. Except as provided in 40 CFR 60.113b(b)(4), the primary seal shall completely cover the annular space between the edge of the floating roof and tank wall. The secondary seal shall completely cover the annular space between the external floating roof and the wall of the storage vessel in a continuous fashion except as allowed in 40 CFR 60.113b(b)(4). The roof shall be floating on the liquid at all times (i.e., off the roof leg supports) except during initial fill until the roof is lifted off leg supports and when the tank is completely emptied and subsequently refilled. The process of filling, emptying, or refilling when the roof is resting on the leg supports shall be continuous and shall be accomplished as rapidly as possible. Subpart Kb. [40 CFR 60.112b(a)(2)]

SPECIFIC REQUIREMENTS

AI ID: 1406 - Motiva Enterprises LLC - Norco Refinery
Activity Number: PER20020014
Permit Number: 2913-V0
Air - Title V Regular Permit Renewal

EQ10239 1254-95, External Floating Roof Tank F-465

- 758 [40 CFR 60.113b(b)(1)(i)] Seal gap area & width monitored by measurement at the regulation's specified frequency. Using the procedures in 40 CFR 60.113b(b)(2) determine the gap areas and maximum gap widths between the primary seal and the wall of the storage vessel during the hydrostatic testing of the vessel or within 60 days of the initial fill with VOL and at least once every 5 years thereafter. Subpart Kb. [40 CFR 60.113b(b)(1)(i)]
 Which Months: All Year Statistical Basis: None specified
- 759 [40 CFR 60.113b(b)(1)(ii)] Seal gap area & width monitored by measurement at the regulation's specified frequency. Using the procedures in 40 CFR 60.113b(b)(2) determine the gap areas and maximum gap widths between the secondary seal and the wall of the storage vessel within 60 days of the initial fill with VOL and at least once per year thereafter. Subpart Kb. [40 CFR 60.113b(b)(1)(ii)]
 Which Months: All Year Statistical Basis: None specified
- 760 [40 CFR 60.113b(b)(3)] Add the gap surface area of each gap location for the primary seal and the secondary seal individually and divide the sum for each seal by the nominal diameter of the tank and compare each ratio to the respective standards in 40 CFR 60.113b(b)(4). Subpart Kb. [40 CFR 60.113b(b)(3)]
- 761 [40 CFR 60.113b(b)(4)(i)(A)] One end of the mechanical shoe is to extend into the stored liquid, and the other end is to extend a minimum vertical distance of 61 cm above the stored liquid surface. Subpart Kb. [40 CFR 60.113b(b)(4)(i)(A)]
- 762 [40 CFR 60.113b(b)(4)(i)(B)] There are to be no holes, tears, or other openings in the shoe, primary seal fabric, or seal envelope. Subpart Kb. [40 CFR 60.113b(b)(4)(i)(B)]
- 763 [40 CFR 60.113b(b)(4)(i)] Seal gap area $\leq 212 \text{ cm}^2/\text{m}$ of tank diameter (accumulated area) for gaps between the tank wall and the mechanical shoe or liquid-mounted primary seal. Subpart Kb. [40 CFR 60.113b(b)(4)(i)]
 Which Months: All Year Statistical Basis: None specified
- 764 [40 CFR 60.113b(b)(4)(ii)] Seal gap width $\leq 3.81 \text{ cm}$ for the width of any portion of any gap between the tank wall and the mechanical shoe or liquid-mounted primary seal. Subpart Kb. [40 CFR 60.113b(b)(4)(ii)]
 Which Months: All Year Statistical Basis: None specified
- 765 [40 CFR 60.113b(b)(4)(ii)(A)] Install the secondary seal above the primary seal so that it completely covers the space between the roof edge and the tank wall except as provided in 60.113b(b)(2)(ii). Subpart Kb. [40 CFR 60.113b(b)(4)(ii)(A)]
- 766 [40 CFR 60.113b(b)(4)(ii)(B)] Seal gap area $\leq 21.2 \text{ cm}^2/\text{m}$ of tank diameter (accumulated area) for gaps between the tank wall and the secondary seal. Subpart Kb. [40 CFR 60.113b(b)(4)(ii)(B)]
 Which Months: All Year Statistical Basis: None specified
- 767 [40 CFR 60.113b(b)(4)(ii)(B)] Seal gap width $\leq 1.27 \text{ cm}$ for the width of any portion of any gap between the tank wall and the secondary seal. Subpart Kb. [40 CFR 60.113b(b)(4)(ii)(B)]
- 768 [40 CFR 60.113b(b)(4)(ii)(C)] Which Months: All Year Statistical Basis: None specified
- 769 [40 CFR 60.113b(b)(4)] There are to be no holes, tears, or other openings in the secondary seal or seal fabric. Subpart Kb. [40 CFR 60.113b(b)(4)(ii)(C)]
 Make necessary repairs or empty the storage vessel within 45 days of identification in any inspection for seals not meeting the requirements listed in 40 CFR 60.113b(b)(4) (i) and (ii) except as specified in 40 CFR 60.113b(b)(4)(iii). Subpart Kb. [40 CFR 60.113b(b)(4)]
- 770 [40 CFR 60.113b(b)(5)] Submit notification: Due at least 30 days in advance of any gap measurements required by 40 CFR 60.113b(b)(1) to afford DEQ the opportunity to have an observer present. Subpart Kb. [40 CFR 60.113b(b)(5)]
- 771 [40 CFR 60.113b(b)(6)(i)] If the external floating roof has defects, the primary seal has holes, tears, or other openings in the seal or the seal fabric, or the secondary seal has holes, tears, or other openings in the seal or the seal fabric, repair the items as necessary so that none of the conditions specified in this paragraph exist before filling or refilling the storage vessel with VOL. Subpart Kb. [40 CFR 60.113b(b)(6)(i)]

SPECIFIC REQUIREMENTS

AI ID: 1406 - Motiva Enterprises LLC - Norco Refinery

Activity Number: PER20020014

Permit Number: 2913-V0

Air - Title V Regular Permit Renewal

EQT0239 1254-95, External Floating Roof Tank F-465

- 772 [40 CFR 60.113b(b)(6)(ii)] Submit notification in writing: Due at least 30 days prior to the filling or refilling of each storage vessel for which an inspection is required by 40 CFR 60.113b(6) to afford DEQ an opportunity to inspect the storage vessel prior to refilling. If the inspection required by paragraph 40 CFR 60.113b(6) is not planned and the owner or operator could not have known about the inspection 30 days in advance or refilling the tank, notify DEQ at least 7 days prior to the refilling of the storage vessel. Notify by telephone immediately followed by written documentation and send by demonstrating why the inspection was unplanned. Alternatively, submit notification in writing including the written documentation and send by express mail so that it is received by DEQ at least 7 days prior to the refilling. Subpart Kb. [40 CFR 60.113b(b)(6)(ii)]
- 773 [40 CFR 60.113b(b)(6)] Tank roof and seals monitored by visual inspection/determination at the regulation's specified frequency. Inspect the external floating roof, the primary seal, the secondary seal, and fittings each time the storage vessel is emptied and degassed. Subpart Kb. [40 CFR 60.113b(b)(6)]
- 774 [40 CFR 60.115b(b)(1)] Which Months: All Year Statistical Basis: None specified
- 775 [40 CFR 60.115b(b)(2)] Submit a report: Due to DEQ as an attachment to the notification required by 40 CFR 60.7(a)(3). This report shall describe the control equipment and certify that the control equipment meets the specifications of 40 CFR 60.112b(a)(2) and 60.113b(b)(2), (b)(3), and (b)(4). Keep copies of all reports for at least two years. Subpart Kb. [40 CFR 60.115b(b)(1)]
- 776 [40 CFR 60.115b(b)(3)] Submit a report: Due to DEQ within 60 days of performing the seal gap measurements required by 40 CFR 60.113b(b)(1). The report shall contain: 1) the date of measurement, 2) the raw data obtained in the measurement, 3) the calculations described in 40 CFR 60.113b(b)(2) and (b)(3). Keep copies of all reports for at least two years. Subpart Kb. [40 CFR 60.115b(b)(2)]
- 777 [40 CFR 60.115b(b)(4)] Gap measurement(s) recordkeeping by electronic or hard copy upon each occurrence of gap measurement performance, as required by 40 CFR 60.113b(b). Each record shall identify the storage vessel in which the measurement was performed and shall contain: 1) the date of measurement, 2) the raw data obtained in the measurement, 3) the calculations described in 40 CFR 60.113b(b)(2) and (b)(3). Keep copies of all records for at least two years. Subpart Kb. [40 CFR 60.115b(b)(3)]
- 778 [40 CFR 61.343(a)] Submit a report: Due to DEQ within 30 days after each seal gap measurement that detects gaps exceeding the limitations specified by 40 CFR 60.113b(b)(4). The report will identify the vessel and contain the information specified in 40 CFR 60.115b(b)(2) and the date the vessel was emptied or the repairs made and date of repair. Keep copies of all reports for at least two years. Subpart Kb. [40 CFR 60.115b(b)(4)]
- 779 [40 CFR 61.356(a)(4)] Compliance with all the applicable requirements of NSPS, Subpart Kb, 40 CFR 60.110b is considered compliance with all the applicable requirements of NESHAP, 40 CFR 61, Subpart FF. Subpart FF. [40 CFR 61.343(a), 40 CFR 61.351(a)(1)]
- 780 [40 CFR 63.646(a)] Benzene: Permittee shall comply with all the applicable recordkeeping requirements as stated in 40 CFR 61.356 and all the applicable reporting requirements of 40 CFR 61.357. Subpart FF. [40 CFR 61.356(a)(4), 40 CFR 61.357]
- 781 [40 CFR 63.646(f)(1)] Comply with the requirements of 40 CFR 63.119 through 63.121, except as provided in 40 CFR 63.646(b) through (l). Subpart CC. [40 CFR 63.646(a)]
- 782 [40 CFR 63.646(f)(2)] If a cover or lid is installed on an opening on a floating roof, keep the cover or lid closed except when it must be open for access. Subpart CC. [40 CFR 63.646(f)(1)]
- 783 [40 CFR 63.646(f)(3)] Set rim space vents to open only when the floating roof is not floating or when the pressure beneath the rim seal exceeds the manufacturer's recommended setting. Subpart CC. [40 CFR 63.646(f)(2)]
- 784 [40 CFR 63.647(a)] Keep automatic bleeder vents closed at all times when the roof is floating except when the roof is floating off or is being landed on the roof leg supports. Subpart CC. [40 CFR 63.646(f)(3)]

SPECIFIC REQUIREMENTS

AI ID: 1406 - Motiva Enterprises LLC - Norco Refinery

Activity Number: PER20020014

Permit Number: 2913-V0

Air - Title V Regular Permit Renewal

EQT0239 1254-95, External Floating Roof Tank F-465

- 785 [40 CFR 63.654(h)(2)(i)] Notify DEQ of the refilling of each Group 1 storage vessel that has been emptied and degassed, in order to afford DEQ the opportunity to have an observer present. Submit notification in writing according to the schedules specified in 40 CFR 63.654(h)(2)(i)(A) through (h)(2)(i)(C). Subpart CC. [40 CFR 63.654(h)(2)(i)]
- 786 [40 CFR 63.654(h)(2)(ii)] Notify DEQ in writing of any seal gap measurements at least 30 calendar days in advance of any gap measurements required by 40 CFR 63.120(b)(1) or (b)(2) of 40 CFR 63 Subpart G. Subpart CC. [40 CFR 63.654(h)(2)(ii)]
- 787 [40 CFR 63.654(i)(1)] Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep the records specified in 40 CFR 63.123 of 40 CFR 63 Subpart G, except as specified in 40 CFR 63.654(i)(1)(i) through (i)(iv). Subpart CC. [40 CFR 63.654(i)(1)]
- 788 [LAC 33:III.2103.B] Equip with a submerged fill pipe.
- 789 [LAC 33:III.2103.D.2.a] Seal closure devices required in LAC 33:III.2103.D shall have no visible holes, tears, or other openings in the seals or seal fabric.
- 790 [LAC 33:III.2103.D.2.b] Seal closure devices required in LAC 33:III.2103.D shall be intact and uniformly in place around the circumference of the floating roof and the tank wall.
- 791 [LAC 33:III.2103.D.2.c] Seal gap area $\leq 1 \text{ in}^2/\text{ft}$ of tank diameter (6.5 cm²/0.3 m), for gaps between the secondary seal and tank wall that exceed 1/8 inch (0.32 cm) in width.
- 792 [LAC 33:III.2103.D.2.d] Which Months: All Year Statistical Basis: None specified
Seal gap area $\leq 10 \text{ in}^2/\text{ft}$ of tank diameter (65 cm²/0.3 m), for gaps between the primary seal and tank wall that exceed 1/8 inch (0.32 cm) in width.
- 793 [LAC 33:III.2103.D.2.e] Which Months: All Year Statistical Basis: None specified
Equipment/operational data recordkeeping by electronic or hard copy upon occurrence of event. Keep records of conditions that are not up to the standards described in LAC 33:III.2103.D.2, and the date(s) that the standards are not met. Notify the administrative authority within seven days of noncompliance with LAC 33:III.2103.D.2.
- 794 [LAC 33:III.2103.D.2.e] Initiate repairs of seals within seven working days of recognition of defective conditions by ordering appropriate parts, to avoid noncompliance with LAC 33:III.2103. Complete repairs within three months of the ordering of the repair parts.
- 795 [LAC 33:III.2103.D.2.e] Primary seals: Seal gap area & width monitored by measurement once every five years at any tank level, provided the roof is off its legs.
Which Months: All Year Statistical Basis: None specified
- 796 [LAC 33:III.2103.D.2.e] Secondary Seal or closure mechanism monitored by visual inspection/determination semiannually.
Which Months: All Year Statistical Basis: None specified
- 797 [LAC 33:III.2103.D.2.e] Secondary seals: Seal gap area & width monitored by measurement annually at any tank level, provided the roof is off its legs.
Which Months: All Year Statistical Basis: None specified
- 798 [LAC 33:III.2103.D.3] Equip all covers, seals, lids, automatic bleeder vents and rim space vents with gaskets.
- 799 [LAC 33:III.2103.D.3] Provide all openings in the external floating roof (except for automatic bleeder vents, rim space vent, and leg sleeves) with a projection below the liquid surface. Equip each opening in the roof (except for automatic bleeder vents, rim space vents, roof drains, and leg sleeves) with a cover, seal or lid that is to be maintained in a closed position at all times except when the device is in actual use. Keep automatic bleeder vents closed at all times except when the roof is being floated off the roof leg supports. Set rim vents to open when the roof is being floated off the roof leg supports or at the manufacturer's recommended setting. Equip any emergency roof drain with a slotted membrane fabric cover or equivalent cover that covers at least 90 percent of the opening.
- 800 [LAC 33:III.2103.D] Equip external floating roof with a primary closure seal, consisting of a liquid mounted seal or a mechanical shoe seal, as defined in LAC 33:III.2103.C.1.a and b.

SPECIFIC REQUIREMENTS

AI ID: 1406 - Motiva Enterprises LLC - Norco Refinery
Activity Number: PER20020014
Permit Number: 2913-V0
Air - Title V Regular Permit Renewal

EQI0239 1254-95, External Floating Roof Tank F-465

- 801 [LAC 33:III.2103.D] Equip with an external floating roof consisting of a pontoon type roof, double deck type roof, or external floating cover which will rest or float on the surface of the liquid contents and is equipped with a primary closure seal to close the space between the roof edge and tank wall and a continuous secondary seal (a rim mounted secondary) extending from the floating roof to the tank wall.
- 802 [LAC 33:III.2103.H.1] Determine compliance with LAC 33:III.2103.D.2 using the methods in LAC 33:III.2103.H.1.
- 803 [LAC 33:III.2103.H.3] Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a-e.
- 804 [LAC 33:III.2103.I] Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable.
- 805 [LAC 33:III.5109.A] Compliance with all the applicable requirements of NESHAP, 40 CFR 63, Subpart CC is considered compliance with all the applicable requirements of LAC 33:III.5109.A.

EQI0240 1255-95, External Floating Roof Tank F-469

- 806 [40 CFR 63.646(a)] Comply with the requirements of 40 CFR 63.119 through 63.121, except as provided in 40 CFR 63.646(b) through (l). Subpart CC. [40 CFR 63.646(a)]
- 807 [40 CFR 63.646(f)(1)] If a cover or lid is installed on an opening on a floating roof, keep the cover or lid closed except when it must be open for access. Subpart CC. [40 CFR 63.646(f)(1)]
- 808 [40 CFR 63.646(f)(2)] Set rim space vents to open only when the floating roof is not floating or when the pressure beneath the rim seal exceeds the manufacturer's recommended setting. Subpart CC. [40 CFR 63.646(f)(2)]
- 809 [40 CFR 63.646(f)(3)] Keep automatic bleeder vents closed at all times when the roof is floating except when the roof is being floated off or is being landed on the roof leg supports. Subpart CC. [40 CFR 63.646(f)(3)]
- 810 [40 CFR 63.654(h)(2)(i)] Notify DEQ of the refilling of each Group 1 storage vessel that has been emptied and degassed, in order to afford DEQ the opportunity to have an observer present. Submit notification in writing according to the schedules specified in 40 CFR 63.654(h)(2)(i)(A) through (h)(2)(i)(C). Subpart CC. [40 CFR 63.654(h)(2)(i)]
- 811 [40 CFR 63.654(h)(2)(ii)] Notify DEQ in writing of any seal gap measurements at least 30 calendar days in advance of any gap measurements required by 40 CFR 63.120(b)(1) or (b)(2) of 40 CFR 63 Subpart G. Subpart CC. [40 CFR 63.654(h)(2)(ii)]
- 812 [40 CFR 63.654(i)(1)] Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep the records specified in 40 CFR 63.123 of 40 CFR 63 Subpart G, except as specified in 40 CFR 63.654(i)(i) through (i)(iv). Subpart CC. [40 CFR 63.654(i)(1)]
- 813 [LAC 33:III.2103.B] Equip with a submerged fill pipe.
- 814 [LAC 33:III.2103.D.2.a] Seal closure devices required in LAC 33:III.2103.D shall have no visible holes, tears, or other openings in the seals or seal fabric.
- 815 [LAC 33:III.2103.D.2.b] Seal closure devices required in LAC 33:III.2103.D shall be intact and uniformly in place around the circumference of the floating roof and the tank wall.
- 816 [LAC 33:III.2103.D.2.c] Seal gap area $\leq 1 \text{ in}^2/\text{ft}$ of tank diameter (6.5 cm²/0.3 m), for gaps between the secondary seal and tank wall that exceed 1/8 inch (0.32 cm) in width.
- 817 [LAC 33:III.2103.D.2.d] Which Months: All Year Statistical Basis: None specified
 Seal gap area $\leq 10 \text{ in}^2/\text{ft}$ of tank diameter (65 cm²/0.3 m), for gaps between the primary seal and tank wall that exceed 1/8 inch (0.32 cm) in width.
 Which Months: All Year Statistical Basis: None specified

SPECIFIC REQUIREMENTS

AI ID: 1406 - Motiva Enterprises LLC - Norco Refinery

Activity Number: PER20020014

Permit Number: 2913-V0

Air - Title V Regular Permit Renewal

EQT0240 1255-95, External Floating Roof Tank F-469

- 818 [LAC 33:III.2103.D.2.e] Equipment/operational data recordkeeping by electronic or hard copy upon occurrence of event. Keep records of conditions that are not up to the standards described in LAC 33:III.2103.D.2, and the date(s) that the standards are not met. Notify the administrative authority within seven days of noncompliance with LAC 33:III.2103.D.2.
- 819 [LAC 33:III.2103.D.2.e] Initiate repairs of seals within seven working days of recognition of defective conditions by ordering appropriate parts, to avoid noncompliance with LAC 33:III.2103. Complete repairs within three months of the ordering of the repair parts.
- 820 [LAC 33:III.2103.D.2.e] Primary seals: Seal gap area & width monitored by measurement once every five years at any tank level, provided the roof is off its legs.
Which Months: All Year Statistical Basis: None specified
- 821 [LAC 33:III.2103.D.2.e] Secondary Seal or closure mechanism monitored by visual inspection/determination semiannually.
Which Months: All Year Statistical Basis: None specified
- 822 [LAC 33:III.2103.D.2.e] Secondary seals: Seal gap area & width monitored by measurement annually at any tank level, provided the roof is off its legs.
Which Months: All Year Statistical Basis: None specified
- 823 [LAC 33:III.2103.D.3] Equip all covers, seals, lids, automatic bleeder vents and rim space vents with gaskets.
- 824 [LAC 33:III.2103.D.3] Provide all openings in the external floating roof (except for automatic bleeder vents, rim space vent, and leg sleeves) with a projection below the liquid surface. Equip each opening in the roof (except for automatic bleeder vents, rim space vents, roof drains, and leg sleeves) with a cover, seal or lid that is to be maintained in a closed position at all times except when the device is in actual use. Keep automatic bleeder vents closed at all times except when the roof is being floated off the roof leg supports. Set rim vents to open when the roof is being floated off the roof leg supports or at the manufacturer's recommended setting. Equip any emergency roof drain with a slotted membrane fabric cover or equivalent cover that covers at least 90 percent of the opening.
- 825 [LAC 33:III.2103.D] Equip external floating roof with a primary closure seal, consisting of a liquid mounted seal or a mechanical shoe seal, as defined in LAC 33:III.2103.C.1.a and b.
- 826 [LAC 33:III.2103.D] Equip with an external floating roof consisting of a pontoon type roof, double deck type roof, or external floating cover which will rest or float on the surface of the liquid contents and is equipped with a primary closure seal to close the space between the roof edge and tank wall and a continuous secondary seal (a rim mounted secondary) extending from the floating roof to the tank wall.
- 827 [LAC 33:III.2103.H.1] Determine compliance with LAC 33:III.2103.D.2 using the methods in LAC 33:III.2103.H.1.
- 828 [LAC 33:III.2103.H.3] Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a-e.
- 829 [LAC 33:III.2103.I] Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable.
- 830 [LAC 33:III.5109.A] Compliance with all the applicable requirements of NESHAP, 40 CFR 63, Subpart CC is considered compliance with all the applicable requirements of LAC 33:III.5109.A.

EQT0241 1-98, Coke Pile

- 831 [LAC 33:III.1305] Prevent particulate matter from becoming airborne by taking all reasonable precautions. These precautions shall include, but not be limited to, those specified in LAC 33:III.1305.A.1-7.
- 832 [LAC 33:III.1311.B] Total suspended particulate <= 0.92 lb/hr. The rate of emission shall be the total of all emission points from the source.
Which Months: All Year Statistical Basis: None specified

SPECIFIC REQUIREMENTS

AI ID: 1406 - Motiva Enterprises LLC - Norco Refinery
Activity Number: PER20020014
Permit Number: 2913-V0
Air - Title V Regular Permit Renewal

EQJ0241 1-98, Coke Pile

833 [LAC 33:III.1311.C] Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.
 Which Months: All Year Statistical Basis: Six-minute average

EQJ0242 2-84, Coker Flare FE-401

834 [40 CFR 63.11(b)(1)] Monitor flares to assure that they are operated and maintained in conformance with their designs. Subpart A. [40 CFR 63.11(b)(1)]

835 [40 CFR 63.11(b)(3)] Operate at all times when emissions may be vented to the flare. Subpart A. [40 CFR 63.11(b)(3)]

836 [40 CFR 63.11(b)(4)] Design and operate for no visible emissions, as determined using Test Method 22 in Appendix A of 40 CFR 60, except for periods not to exceed a total of 5 minutes during any two consecutive hours. Subpart A. [40 CFR 63.11(b)(4)]

837 [40 CFR 63.11(b)(5)] Operate with a flame present at all times. Subpart A. [40 CFR 63.11(b)(5)]

838 [40 CFR 63.11(b)(5)] Presence of a flame monitored by flame monitor continuously. Use a thermocouple or any other equivalent device to detect the presence of a flame. Subpart A. [40 CFR 63.11(b)(5)]

839 [40 CFR 63.11(b)(6)(ii)] Which Months: All Year Statistical Basis: None specified
 Heat content >= 300 BTU/scf (11.2 MJ/scm). Determine the net heating value of the gas being combusted using the equation specified in 40 CFR 63.11(b)(6)(ii). Subpart A. [40 CFR 63.11(b)(6)(ii)]

840 [40 CFR 63.11(b)(8)] Which Months: All Year Statistical Basis: None specified
 Exit Velocity < 65.62 ft/sec (Vmax). Determine Vmax using the equation specified in 40 CFR 63.11(b)(8). Subpart A. [40 CFR 63.11(b)(8)]

841 [LAC 33:III.1105] Which Months: All Year Statistical Basis: None specified
 Opacity <= 20 percent, except for a combined total of six hours in any 10 consecutive day period, for burning in connection with pressure valve releases for control over process upsets.

842 [LAC 33:III.1105] Which Months: All Year Statistical Basis: None specified
 Submit notification: Due to the Office of Environmental Compliance, Emergency and Radiological Services Division, Single Point of Contact (SPOC), as soon as possible after the start of burning of pressure valve releases for control over process upsets. Notify in accordance with LAC 33:III.3923. Notification is required only if the upset cannot be controlled in six hours.

843 [LAC 33:III.1107] Submit report: Due in writing to the Office of Environmental Compliance, Emergency and Radiological Services Division, SPOC, within seven calendar days after startup or shutdown, if flaring was not the result of failure to maintain or repair equipment. Submit report if requesting exemption from the provisions of LAC 33:III.1105. Explain the conditions and duration of the startup or shutdown and list the steps necessary to remedy, prevent and limit the excess emissions. Minimize flaring and ensure that no ambient air quality standards are jeopardized.

844 [LAC 33:III.1311.C] Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.
 Which Months: All Year Statistical Basis: Six-minute average
 Equipment/operational data recordkeeping by electronic or hard copy at the approved frequency. Record and keep on site for at least two years the data required to demonstrate exemption from the provisions of LAC 33:III.Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request.

846 [LAC 33:III.5109.A] Compliance with all the applicable requirements of NESHAP, 40 CFR 63.11 is considered compliance with all the applicable requirements of LAC 33:III.5109.A.

SPECIFIC REQUIREMENTS

AI ID: 1406 - Motiva Enterprises LLC - Norco Refinery
Activity Number: PER20020014
Permit Number: 2913-V0
Air - Title V Regular Permit Renewal

EQT0243 3107-95, Oil/Water Separator

- 847 [40 CFR 61.342(e)] Wastewater: Permittee shall comply with all the applicable requirements of the alternative requirements of paragraphs 40 CFR 61.342(c) and (d). The permittee shall manage and treat facility waste with a flow weighted annual average water content of less than 10 percent in accordance with 40 CFR 61.342(c)(1). The benzene quantity for the wastes described in 40 CFR 61.342(e)(2) shall be equal to or less than 6.6 tons per year, as determined in 40 CFR 61.355(k). Subpart FF. [40 CFR 61.342(e)]
- 848 [40 CFR 61.356] Wastewater: Permittee shall comply with all the applicable recordkeeping requirements as stated in 40 CFR 61.356 and all the applicable reporting requirements of 40 CFR 61.357. Subpart FF. [40 CFR 61.356, 40 CFR 61.357]
- 849 [40 CFR 63.654(h)] Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep readily accessible records showing the dimensions of the storage vessel, an analysis showing the capacity of the storage vessel, and any data, assumptions, and procedures used to make the determination for the tank to be Group 2. Keep the records as long as the storage vessel retains Group 2 status and is in operation. Subpart CC. [40 CFR 63.654(h), 40 CFR 63.654(i)(iv)]
- 850 [LAC 33:III.5109.A] Compliance with all the applicable requirements of NESHAP, 40 CFR 63, Subpart CC is considered compliance with all the applicable requirements of LAC 33:III.5109.A.

EQT0244 4-84, HCU Flare FE-301

- 851 [40 CFR 63.11(b)(1)] Monitor flares to assure that they are operated and maintained in conformance with their designs. Subpart A. [40 CFR 63.11(b)(1)]
- 852 [40 CFR 63.11(b)(3)] Operate at all times when emissions may be vented to the flare. Subpart A. [40 CFR 63.11(b)(3)]
- 853 [40 CFR 63.11(b)(4)] Design and operate for no visible emissions, as determined using Test Method 22 in Appendix A of 40 CFR 60, except for periods not to exceed a total of 5 minutes during any two consecutive hours. Subpart A. [40 CFR 63.11(b)(4)]
- 854 [40 CFR 63.11(b)(5)] Operate with a flame present at all times. Subpart A. [40 CFR 63.11(b)(5)]
- 855 [40 CFR 63.11(b)(5)] Presence of a flame monitored by flame monitor continuously. Use a thermocouple or any other equivalent device to detect the presence of a flame. Subpart A. [40 CFR 63.11(b)(5)]
- 856 [40 CFR 63.11(b)(6)(ii)] Which Months: All Year Statistical Basis: None specified
Heat content ≥ 300 BTU/scf (11.2 MJ/scm). Determine the net heating value of the gas being combusted using the equation specified in 40 CFR 63.11(b)(6)(ii). Subpart A. [40 CFR 63.11(b)(6)(ii)]
- 857 [40 CFR 63.11(b)(8)] Which Months: All Year Statistical Basis: None specified
Exit Velocity < 65.62 ft/sec (Vmax). Determine Vmax using the equation specified in 40 CFR 63.11(b)(8). Subpart A. [40 CFR 63.11(b)(8)]
- 858 [LAC 33:III.1105] Which Months: All Year Statistical Basis: None specified
Opacity ≤ 20 percent, except for a combined total of six hours in any 10 consecutive day period, for burning in connection with pressure valve releases for control over process upsets.
- 859 [LAC 33:III.1105] Which Months: All Year Statistical Basis: None specified
Submit notification: Due to the Office of Environmental Compliance, Emergency and Radiological Services Division, Single Point of Contact (SPOC), as soon as possible after the start of burning of pressure valve releases for control over process upsets. Notify in accordance with LAC 33:1.3923. Notification is required only if the upset cannot be controlled in six hours.

SPECIFIC REQUIREMENTS

AI ID: 1406 - Motiva Enterprises LLC - Norco Refinery
Activity Number: PER20020014
Permit Number: 2913-V0
Air - Title V Regular Permit Renewal

EQT0244 4-84, HCU Flare FE-301

- 860 [LAC 33:III.1107] Submit report: Due in writing to the Office of Environmental Compliance, Emergency and Radiological Services Division, SPOC, within seven calendar days after startup or shutdown, if flaring was not the result of failure to maintain or repair equipment. Submit report if requesting exemption from the provisions of LAC 33:III.1105. Explain the conditions and duration of the startup or shutdown and list the steps necessary to remedy, prevent and limit the excess emissions. Minimize flaring and ensure that no ambient air quality standards are jeopardized.
- 861 [LAC 33:III.1311.C] Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.
- Which Months: All Year Statistical Basis: Six-minute average
- 862 [LAC 33:III.1513] Equipment/operational data recordkeeping by electronic or hard copy at the approved frequency. Record and keep on site for at least two years the data required to demonstrate exemption from the provisions of LAC 33:III.Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request.
- 863 [LAC 33:III.5109.A] Compliance with all the applicable requirements of NESHAP, 40 CFR 63.11 is considered compliance with all the applicable requirements of LAC 33:III.5109.A.

EQT0245 5034-01, Fixed Roof Tank M-419

- 864 [40 CFR 63.654(h)] Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep readily accessible records showing the dimensions of the storage vessel, an analysis showing the capacity of the storage vessel, and any data, assumptions, and procedures used to make the determination for the tank to be Group 2. Keep the records as long as the storage vessel retains Group 2 status and is in operation. Subpart CC. [40 CFR 63.654(h), 40 CFR 63.654(i)(iv)]
- 865 [LAC 33:III.5109.A] Compliance with all the applicable requirements of NESHAP, 40 CFR 63, Subpart CC is considered compliance with all the applicable requirements of LAC 33:III.5109.A.

EQT0246 5035-01, Horizontal Tank XC-433

- 866 [LAC 33:III.5109.A] Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ.

EQT0247 5036-01, Fixed Roof Tank XC-434

- 867 [LAC 33:III.5109.A] Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ.

EQT0248 5037-01, Lab Hood Vent

- 868 [LAC 33:III.2115.K] Equipment/operational data recordkeeping by electronic or hard copy as needed. Maintain records to demonstrate that the criteria are being met for any exemption claimed. Maintain records on the premises for at least two years and make such information available to representatives of the Louisiana Department of Environmental Quality and the Environmental Protection Agency upon request.

EQT0249 5048-06, Tank Cleaning

SPECIFIC REQUIREMENTS

AI ID: 1406 - Motiva Enterprises LLC - Norco Refinery

Activity Number: PER20020014

Permit Number: 2913-V0

Air - Title V Regular Permit Renewal

EQT0249 5048-06, Tank Cleaning

- 869 [LAC 33:III.501.C.6] Permittee shall comply with the tank cleaning emission limits of this permit by maintaining the total calculated VOC emissions, Emission Point 5048-06, based on the number of tanks cleaned per year to no more than 113.04 tons per year (with speculation). The overall total VOC emissions shall be calculated based on the number of tanks cleaned each month, as well as the VOC emissions calculated for all the tanks cleaned for the last twelve months. These records shall be kept on site and available for inspection by the Office of Environmental Compliance, Surveillance Division. Total overall calculated VOC emissions based on the number of tanks cleaned above the maximum listed in this specific condition for any twelve consecutive month period shall be a violation of this permit and must be reported to the Office of Environmental Compliance, Enforcement Division. A report showing the overall calculated VOC emissions based on the number of tanks cleaned shall be submitted to the Office of Environmental Compliance, Surveillance Division by March 31 for the preceding calendar year.

EQT0250 5049-06, Internal Combustion Engines for Emergency & Water

- 870 [LAC 33:III.1101.B] Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.
Which Months: All Year Statistical Basis: None specified
- 871 [LAC 33:III.11513] Equipment/operational data recordkeeping by electronic or hard copy at the approved frequency. Record and keep on site for at least two years the data required to demonstrate exemption from the provisions of LAC 33:III.Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request.

FUG0021 3003-95, Logistics Fugitive Emissions

- 872 [40 CFR 60.592(a)] Comply with the requirements of 40 CFR 60.482-1 to 482-10 as soon as practicable, but no later than 180 days after initial startup. Subpart GGG. [40 CFR 60.592(a)]
- 873 [40 CFR 60.592(d)] Comply with the provisions of 40 CFR 60.485 except as provided in 40 CFR 60.593. Subpart GGG. [40 CFR 60.592(d)]
- 874 [40 CFR 60.592(e)] Comply with the provisions of 40 CFR 60.486 and 60.487. Subpart GGG. [40 CFR 60.592(e)]
- 875 [40 CFR 63.100] Compliance with all the applicable requirements of LAC 33:III.Chapter 51, Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994), is considered compliance with all the applicable requirements of NESHAP, 40 CFR 63, Subpart F and H. [40 CFR 63.100, 40 CFR 63.160(a), LAC 33:III.2121]
- 876 [40 CFR 63.642(d)(2)] Submit Notification of the intention to conduct a performance test: Due at least 30 days before the performance test is scheduled. Subpart CC. [40 CFR 63.642(d)(2)]
- 877 [40 CFR 63.642(d)(3)] Conduct performance tests according to the provisions of 40 CFR 63.7(e), except conduct performance tests at maximum representative operating capacity for the process. During the performance test, operate the control device at either maximum or minimum representative operating conditions for monitored control device parameters, whichever results in lower emission reduction. Subpart CC. [40 CFR 63.642(d)(3)]
- 878 [40 CFR 63.642(e)] Keep copies of all applicable reports and records required by 40 CFR 63 Subpart CC for at least 5 years except as otherwise specified in 40 CFR 63 Subpart CC. Maintain all applicable records in such a manner that they can be readily accessed within 24 hours. Subpart CC. [40 CFR 63.642(e)]
- 879 [40 CFR 63.642(h)] Control emissions of organic HAPs to the level represented by the equation in 40 CFR 63.642(g). Subpart CC. [40 CFR 63.642(h)]

SPECIFIC REQUIREMENTS

AI ID: 1406 - Motiva Enterprises LLC - Norco Refinery
Activity Number: PER20020014
Permit Number: 2913-V0
Air - Title V Regular Permit Renewal

FUG0021 3003-95, Logistics Fugitive Emissions

- 880 [40 CFR 63.648(a)] Comply with 40 CFR 63 Subpart H, except as provided in 40 CFR 63.648(c) through (i). Subpart CC. [40 CFR 63.648(a)]
- 881 [40 CFR 63.648(a)] Comply with the provisions of 40 CFR 60 Subpart VV and 40 CFR 63.648(b) except as provided in 40 CFR 63.648(a)(1), (a)(2), and (c) through (i). Subpart CC. [40 CFR 63.648(a)]
- 882 [40 CFR 63.648(c)] Comply with the requirements of 40 CFR 63.161 through 63.171, 63.172, 63.175, 63.176, 63.177, 63.179, and 63.180 except as specified in 40 CFR 63.648(c)(1) through (e)(10) and (e) through (i). Subpart CC. [40 CFR 63.648(c)]
- 883 [40 CFR 63.648(h)] Maintain all records for a minimum of 5 years. Subpart CC. [40 CFR 63.648(h)]
- 884 [40 CFR 63.654(d)] Comply with the recordkeeping and reporting provisions in 40 CFR 63.654(d)(1) through (d)(6). Subpart CC. [40 CFR 63.654(d)]
- 885 [40 CFR 63.654(g)] Submit Periodic Report: Due no later than 60 days after the end of each 6-month period when any of the compliance exceptions specified in 40 CFR 63.654(g)(1) through (g)(6) occur. Include the information specified in 40 CFR 63.654(g)(1) through (g)(8). Subpart CC. [40 CFR 63.654(g)]
- 886 [40 CFR 63.654(h)(1)] Submit reports of startup, shutdown, and malfunction required by 40 CFR 63.10(d)(5). Subpart CC. [40 CFR 63.654(h)(1)]
- 887 [40 CFR 63.654(h)(6)] Submit the information specified in 40 CFR 63.654(h)(6)(i) through (iii), as applicable. Subpart CC. [40 CFR 63.654(h)(6)]
- 888 [40 CFR 63.654(i)(2)] Retain a record of all reported performance test results required under 40 CFR 63.654(f) and (g)(7) as well as a complete test report, as described in 40 CFR 63.654(f)(2)(ii) for each emission point tested. Subpart CC. [40 CFR 63.654(i)(2)]
- 889 [40 CFR 63.654(i)(4)] Retain all information required to be reported under 40 CFR 63.654(a) through (h) for five years. Subpart CC. [40 CFR 63.654(i)(4)]
- 890 [LAC 33-III.2121.1] Equip all rotary pumps and compressors handling volatile organic compounds having a true vapor pressure of 1.5 psia or greater at handling conditions with mechanical seals or other equivalent equipment.
- 891 [LAC 33-III.2121.B.1] Repair according to LAC 33-III.2121.B.3 any regulated component observed leaking by sight, sound, or smell, regardless of the leak's concentration.
- 892 [LAC 33-III.2121.B.2] Do not locate any valve, except safety pressure relief valves, valves on sample lines, valves on drain lines and valves that can be removed and replaced without a shutdown, at the end of a pipe or line containing VOC unless the end of such line is sealed with a second valve, a blind flange, a plug, or a cap. Remove such sealing devices only when the line is in use, for example, when a sample is being taken. When the line has been used and is subsequently resealed, close the upstream valve first, followed by the sealing device.
- 893 [LAC 33-III.2121.B.3] Make every reasonable effort to repair a leaking component, as described in LAC 33-III.2121.B, within 15 days, except as provided.
- 894 [LAC 33-III.2121.C.1.a.i] Pump seals: VOC, Total monitored by 40 CFR 60, Appendix A, Method 21 annually (one time per year). If a reading of 10,000 ppmv or greater is recorded, a leak is detected. If a leak is detected, initiate repair provisions specified in LAC 33-III.2121.B.3. Which Months: All Year Statistical Basis: None specified
- 895 [LAC 33-III.2121.C.1.a.ii] Valves in liquid service: VOC, Total monitored by 40 CFR 60, Appendix A, Method 21 annually (one time per year). If a reading of 500 ppmv or greater is recorded, a leak is detected. If a leak is detected, initiate repair provisions specified in LAC 33-III.2121.B.3. Which Months: All Year Statistical Basis: None specified
- 896 [LAC 33-III.2121.C.1.a.iii] Process drains: VOC, Total monitored by 40 CFR 60, Appendix A, Method 21 annually (one time per year). If a reading of 10,000 ppmv or greater is recorded, a leak is detected. If a leak is detected, initiate repair provisions specified in LAC 33-III.2121.B.3. Which Months: All Year Statistical Basis: None specified
- 897 [LAC 33-III.2121.C.1.b.i] Compressor seals: VOC, Total monitored by 40 CFR 60, Appendix A, Method 21 quarterly (four times per year). If a reading of 10,000 ppmv or greater is recorded, a leak is detected. If a leak is detected, initiate repair provisions specified in LAC 33-III.2121.B.3. Which Months: All Year Statistical Basis: None specified

SPECIFIC REQUIREMENTS

AI ID: 1406 - Motiva Enterprises LLC - Norco Refinery
Activity Number: PER20020014
Permit Number: 2913-V0
Air - Title V Regular Permit Renewal

FUG0021 3003-95, Logistics Fugitive Emissions

- 898 [LAC 33:III.2121.C.1.b.ii] Valves in gas service: VOC, Total monitored by 40 CFR 60, Appendix A, Method 21 quarterly (four times per year). If a reading of 500 ppmv or greater is recorded, a leak is detected. If a leak is detected, initiate repair provisions specified in LAC 33:III.2121.B.3. Permittee may elect to comply with the alternate standards for valves in LAC 33:III.2121.D (skip period provisions).
 Which Months: All Year Statistical Basis: None specified
- 899 [LAC 33:III.2121.C.1.b.iii] Pressure relief valves in gas service: VOC, Total monitored by 40 CFR 60, Appendix A, Method 21 quarterly (four times per year). If a reading of 10,000 ppmv or greater is recorded, a leak is detected. If a leak is detected, initiate repair provisions specified in LAC 33:III.2121.B.3.
 Which Months: All Year Statistical Basis: None specified
 Pumps: Seal or closure mechanism monitored by visual inspection/determination weekly (52 times per year).
 Which Months: All Year Statistical Basis: None specified
- 900 [LAC 33:III.2121.C.1.c] Pressure relief valves: VOC, Total monitored by 40 CFR 60, Appendix A, Method 21 within 24 hours after venting to the atmosphere. If a reading of 10,000 ppmv or greater is recorded, a leak is detected. If a leak is detected, initiate repair provisions specified in LAC 33:III.2121.B.3.
- 901 [LAC 33:III.2121.C.3.a] Which Months: All Year Statistical Basis: None specified
- 902 [LAC 33:III.2121.C.3.b] All components: VOC, Total monitored by 40 CFR 60, Appendix A, Method 21 upon each occurrence of a leak detected by sight, smell, or sound, unless electing to implement actions as specified in LAC 33:III.2121.B.3.
 Which Months: All Year Statistical Basis: None specified
 Inaccessible valves: VOC, Total monitored by 40 CFR 60, Appendix A, Method 21 annually (at a minimum).
 Which Months: All Year Statistical Basis: None specified
- 903 [LAC 33:III.2121.C.4.c] Unsafe-to-monitor valves: VOC, Total monitored by 40 CFR 60, Appendix A, Method 21 upon each occurrence of conditions allowing these valves to be monitored safely.
 Which Months: All Year Statistical Basis: None specified
- 904 [LAC 33:III.2121.C.4.c] When a leak that cannot be repaired on-line and in-place is located, affix to the leaking component a weatherproof and readily visible tag bearing an identification number and the date the leak is located. Date and remove the tag after the leak is repaired.
- 905 [LAC 33:III.2121.E.1] Equipment/operational data recordkeeping by survey log upon each occurrence of a leak. Include the leaking component information specified in LAC 33:III.2121.E.2. Retain the survey log for two years after the latter date specified in LAC 33:III.2121.E.2 and make said log available to DEQ upon request.
- 906 [LAC 33:III.2121.E] Submit report: Due semiannually, by the 31st of January and July, to the Office of Environmental Assessment, Air Quality Assessment Division. Include the information specified in LAC 33:III.2121.F.1 through 4 for each calendar quarter during the reporting period.
- 907 [LAC 33:III.2121.F] A more stringent definition of 500 ppm for valves; excluding pressure relieve devices.
- 908 [LAC 33:III.501.C.6] Attach a weatherproof and readily visible identification, marked with the equipment identification, to leaking equipment, as specified in Subsection Q.2 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994).
- 909 [LAC 33:III.5109.A] Comply with the test methods and procedures in Subsection P.1, P.2, and P.4 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994).
- 910 [LAC 33:III.5109.A]

SPECIFIC REQUIREMENTS

AI ID: 1406 - Motiva Enterprises LLC - Norco Refinery

Activity Number: PER20020014

Permit Number: 2913-V0

Air - Title V Regular Permit Renewal

FUG0021 3003-95, Logistics Fugitive Emissions

- 911 [LAC 33:III.5109.A] Connectors in gas/vapor service and in light liquid service \geq one inch in inside diameter size (inaccessible or glass or glass-lined): Repair leaks as soon as practicable, but no later than 15 calendar days after detecting a leak by visual, audible, olfactory or other means as specified in Subsection O.11.b of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Make a first attempt at repair no later than 5 calendar days after the leak is detected, as specified in Subsection O.11.c of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Comply with this requirement instead of the monitoring requirements of Subsection O.2 through O.6, except that Subsection O.2.c does not apply, and the recordkeeping and reporting requirements.
- 912 [LAC 33:III.5109.A] Connectors in gas/vapor service and in light liquid service \geq one inch in inside diameter size (percent of leaking connectors \leq 2): VOC, Total monitored by the regulation's specified method(s) annually, as specified in Subsections O.2 and O.4 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994), except that the leak definition is 500 ppm and Subsection O.2.c does not apply. Monitoring must be performed in the same calendar quarter as the previous monitoring. Monitor using the method specified in Section P. If an instrument reading \geq 500 ppm is measured, a leak is detected. If a leak is detected, initiate repair provisions specified in Subsection O.9, except as provided in Section M.
Which Months: All Year Statistical Basis: None specified
- 913 [LAC 33:III.5109.A] Connectors in gas/vapor service and in light liquid service \geq one inch in inside diameter size (percent of leaking connectors $>$ 2): VOC, Total monitored by the regulation's specified method(s) quarterly until good performance is obtained or until four quarterly monitorings have been performed, as specified in Subsections O.2 and O.5 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994), except that Subsection O.2.c does not apply. If good performance has not been obtained after four quarters of monitoring, monitor the remaining unchecked connectors within three months of the last quarterly monitoring period, as specified in Subsection O.6 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). If monitoring of the remaining connectors indicates good performance, monitor in accordance with Subsection O.4. If monitoring of the remaining connectors indicates that good performance has not been obtained, monitor in accordance with Subsection O.5. Monitor using the method specified in Section P, except that Subsection P.3 and P.5 do not apply. If an instrument reading \geq 500 ppm is measured, a leak is detected. If a leak is detected, initiate repair provisions specified in Subsection O.9, except as provided in Section M.
Which Months: All Year Statistical Basis: None specified
- 914 [LAC 33:III.5109.A] Connectors in gas/vapor service and in light liquid service \geq one inch in inside diameter size (unsafe-to-monitor): Determine that the connector is unsafe to monitor because personnel would be exposed to an immediate danger as a result of complying with Subsections O.2 through O.6, except for Subsection O.2.c, as specified in Subsection O.10.a of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Comply with this requirement instead of the requirements in Subsection O.1.
Which Months: All Year Statistical Basis: None specified
- 915 [LAC 33:III.5109.A] Connectors in gas/vapor service and in light liquid service \geq one inch in inside diameter size (unsafe-to-monitor): VOC, Total monitored by the regulation's specified method(s) at the regulation's specified frequency. Maintain a written plan that requires monitoring as frequently as practicable during safe to monitor periods, as specified in Subsection O.10.b of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Monitor using the method in Section P, except for Subsection P.3 and P.5 which do not apply. Comply with this requirement instead of the requirements in Subsection O.1.
Which Months: All Year Statistical Basis: None specified

SPECIFIC REQUIREMENTS

AI ID: 1406 - Motiva Enterprises LLC - Norco Refinery
Activity Number: PER20020014
Permit Number: 2913-V0
Air - Title V Regular Permit Renewal

FUG0021 3003-95, Logistics Fugitive Emissions

- 916 [LAC 33:III.5109.A] Connectors in gas/vapor service and in light liquid service \geq one inch in inside diameter size (welded completely around the circumference of the interface or physically removed and the pipe welded together): Equipment/operational data monitored by the regulation's specified method(s) within three months after being welded. Check the integrity of the weld by monitoring according to the procedures in Section P, except that *Subsection P.3 and P.5 do not apply. The weld can also be tested by using x-ray, acoustic monitoring, hydrotesting, or other applicable method, as specified in Subsection O.7 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994).* Comply with this requirement instead of the requirements in Subsection O.
 Which Months: All Year Statistical Basis: None specified
- 917 [LAC 33:III.5109.A] Connectors in gas/vapor service and in light liquid service \geq one inch in inside diameter size: Calculate the percent leaking connectors using the equation in Subsection O.12 for use in determining the monitoring frequency, as specified in Subsection O.12 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994).
- 918 [LAC 33:III.5109.A] Connectors in gas/vapor service and in light liquid service \geq one inch in inside diameter size: Repair Leaks as soon as practicable, but not later than 15 calendar days after a leak is detected. Make a first attempt at repair no later than 5 calendar days after each leak is detected. If a leak is detected, monitor the for leaks within the first 90 days after its repair, as specified in Subsection O.9 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994).
- 919 [LAC 33:III.5109.A] Connectors in gas/vapor service and in light liquid service \geq one inch in inside diameter size: VOC, Total monitored by the regulation's specified method(s) once initially, as specified in Subsections O.1 and O.2 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994), except that the leak definition is 500 ppm and Subsection O.2c does not apply. Monitor using the method specified in Section P. If an instrument reading \geq 500 ppm is measured, a leak is detected. If a leak is detected, initiate repair provisions specified in Subsection O.9, except as provided in Section M.
 Which Months: All Year Statistical Basis: None specified
 Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in Subsections Q.1 through Q.13 as applicable, except for Subsection Q.5, Q.8 and Q.11, as specified in Section Q of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994), the leak definition is 500 ppm and the rsequirements of Subsection Q.12 will coincide with that done for valves and other components associated with connectors.
- 920 [LAC 33:III.5109.A] Identify each piece of equipment in a process unit subject to this MACT determination such that it can be distinguished readily from equipment that is not subject to this MACT determination, as specified in Subsection C.3 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994).
- 921 [LAC 33:III.5109.A] Instrument systems and pressure relief devices in liquid service; connectors $<$ 1 inch in inside diameter in gas/vapor or light liquid service: VOC, Total monitored by the regulation's specified method(s) within 5 days of finding evidence of a potential leak by visual, audible, olfactory, or any other detection method, as specified in Subsection K.1 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994).
 Monitor using the method specified in Subsection P.2. If an instrument reading of 2000 ppm or greater for pumps or 1000 ppm or greater for valves, connectors, instrument systems, or pressure relief devices is measured, a leak is detected. If a leak is detected, initiate repair provisions specified in Subsection K.3.
 Which Months: All Year Statistical Basis: None specified
- 922 [LAC 33:III.5109.A] Repair equipment before the end of the next process unit shutdown, if repair is technically infeasible without a process unit shutdown, as specified in Subsection M.1 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994).

SPECIFIC REQUIREMENTS

AI ID: 1406 - Motiva Enterprises LLC - Norco Refinery
Activity Number: PER20020014
Permit Number: 2913-V0
Air - Title V Regular Permit Renewal

FUG0021 3003-95, Logistics Fugitive Emissions

924 [LAC 33:III.5109.A]

Submit report: Include the information in Paragraphs R.2.b.xvi through R.2.b.xxviii, as specified in Subsections R.2 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). The reporting schedule will be that which has been established by existing LDAR programs. Subsections R.1, R.3 and R.4 do not apply.

GRP0040 5001-97, Kero/Jet A Tanks Cap

Group Members: EQT0194 EQT0195 EQT0196 EQT0197 EQT0198 EQT0199 EQT0200

925 [LAC 33:III.501.C.6]

Permittee shall show compliance with the limits of this permit by maintaining the total overall calculated VOC emissions, Emission Point 5001-97 (CAP) based on the throughput of Kerosen/Jet A material from all the tanks listed below to no more than 59.94 tons per year (with speciation limits). The overall VOC emission of the tanks shall be calculated using tank throughput and recorded each month, as well as the VOC emission calculated for all the tanks for the last twelve months and recorded each month. These records shall be kept on site and available for inspection by the Office of Environmental Compliance, Surveillance Division. Total overall calculated VOC emissions from the tanks above the maximum listed in this specific condition for any twelve consecutive month period shall be a violation of this permit and must be reported to the Office of Environmental Compliance, Enforcement Division. A report showing the overall calculated VOC emissions shall be submitted to the Office of Environmental Compliance, Surveillance Division by March 31 for the preceding calendar year.

Emission Points 1042-95, 1043-95, 1044-95, 1045-95, 1046-95, 1047-95, and 1048-95.

GRP0041 5002-97, Crude Oil Tanks Cap

Group Members: EQT0211 EQT0212 EQT0213 EQT0214 EQT0215 EQT0216 EQT0217 EQT0218 EQT0219

926 [LAC 33:III.501.C.6]

Permittee shall show compliance with the limits of this permit by maintaining the total overall calculated VOC emissions, Emission Point 5002-97 (CAP) based on the throughput of Crude Oil material from all the tanks listed below to no more than 17.53 tons per year (with speciation limits). The overall VOC emission of the tanks shall be calculated using tank throughput and recorded each month, as well as the VOC emission calculated for all the tanks for the last twelve months and recorded each month. These records shall be kept on site and available for inspection by the Office of Environmental Compliance, Surveillance Division. Total overall calculated VOC emissions from the tanks above the maximum listed in this specific condition for any twelve consecutive month period shall be a violation of this permit and must be reported to the Office of Environmental Compliance, Enforcement Division. A report showing the overall calculated VOC emissions shall be submitted to the Office of Environmental Compliance, Surveillance Division by March 31 for the preceding calendar year.

Emission Points 1214-95, 1215-95, 1216-95, 1217-95, 1218-95, 1219-95, 1220-95, 1221-95, and 1222-95.

GRP0042 5003-97, Gas Oil/Diesel Tanks Cap

Group Members: EQT0183 EQT0184 EQT0185 EQT0186 EQT0187 EQT0188 EQT0189 EQT0190 EQT0191 EQT0192 EQT0193 EQT0196 EQT0197

SPECIFIC REQUIREMENTS

AI ID: 1406 - Motiva Enterprises LLC - Norco Refinery
Activity Number: PER20020014
Permit Number: 2913-V0
Air - Title V Regular Permit Renewal

GRP0042 5003-97, Gas Oil/Diesel Tanks Cap

927 [LAC 33:III.501.C.6]

Permittee shall show compliance with the limits of this permit by maintaining the total overall calculated VOC emissions, Emission Point 5003-97 (CAP) based on the throughput of Gas Oil and Diesel material from all the tanks listed below to no more than 43.11 tons per year (with speciation limits). The overall VOC emission of the tanks shall be calculated using tank throughput and recorded each month, as well as the VOC emission calculated for all the tanks for the last twelve months and recorded each month. These records shall be kept on site and available for inspection by the Office of Environmental Compliance, Surveillance Division. Total overall calculated VOC emissions from the tanks above the maximum listed in this specific condition for any twelve consecutive month period shall be a violation of this permit and must be reported to the Office of Environmental Compliance, Enforcement Division. A report showing the overall calculated VOC emissions shall be submitted to the Office of Environmental Compliance, Surveillance Division by March 31 for the preceding calendar year.

Emission Points 1022-95, 1023-95, 1024-95, 1026-95, 1028-95, 1029-95, 1030-95, 1034-95, 1035-95, 1036-95, 1044-95, and 1045-95.

GRP0043 5006-97, Naphtha Tanks Cap

Group Members: EQT0235 EQT0236 EQT0237

928 [LAC 33:III.501.C.6]

Permittee shall show compliance with the limits of this permit by maintaining the total overall calculated VOC emissions, Emission Point 5006-97 (CAP) based on the throughput of Naphtha material from all the tanks listed below to no more than 26.46 tons per year (with speciation limits). The overall VOC emission of the tanks shall be calculated using tank throughput and recorded each month, as well as the VOC emission calculated for all the tanks for the last twelve months and recorded each month. These records shall be kept on site and available for inspection by the Office of Environmental Compliance, Surveillance Division. Total overall calculated VOC emissions from the tanks above the maximum listed in this specific condition for any twelve consecutive month period shall be a violation of this permit and must be reported to the Office of Environmental Compliance, Enforcement Division. A report showing the overall calculated VOC emissions shall be submitted to the Office of Environmental Compliance, Surveillance Division by March 31 for the preceding calendar year.

Emission Points 1245-95, 1246-95, and 1247-95.

GRP0044 5057-07, Fmsh Gasoline Tanks Cap

Group Members: EQT0221 EQT0222 EQT0223 EQT0224 EQT0225 EQT0226 EQT0227 EQT0229

SPECIFIC REQUIREMENTS

AI ID: 1406 - Motiva Enterprises LLC - Norco Refinery
Activity Number: PER20020014
Permit Number: 2913-V0
Air - Title V Regular Permit Renewal

GRP0044 5057-07, Fnsh Gasoline Tanks Cap

929 [LAC 33-III.501.C.6]

Permittee shall show compliance with the limits of this permit by maintaining the total overall calculated VOC emissions, Emission Point 5057-07 (CAP) based on the throughput of Finished Gasoline material from all the tanks listed below to no more than 83.98 tons per year (with speciation limits). The overall VOC emission of the tanks shall be calculated using tank throughput and recorded each month, as well as the VOC emission calculated for all the tanks for the last twelve months and recorded each month. These records shall be kept on site and available for inspection by the Office of Environmental Compliance, Surveillance Division. Total overall calculated VOC emissions from the tanks above the maximum listed in this specific condition for any twelve consecutive month period shall be a violation of this permit and must be reported to the Office of Environmental Compliance, Enforcement Division. A report showing the overall calculated VOC emissions shall be submitted to the Office of Environmental Compliance, Surveillance Division by March 31 for the preceding calendar year.

Emission Points 1225-95, 1226-95, 1227-95, 1228-95, 1229-95, 1230-95, 1234-95, and 1236-95.

GRP0045 7-02, Flare Cap

Group Members: EQT0242 EQT0244

930 [LAC 33-III.501.C.6]

Permittee shall show compliance with the emission limits, as specified in this specific condition, from the Flare (CAP), Emission 7-02, when the emissions are routed to these flares, Emission Points 2-84 and 4-84. The permittee shall calculate the emissions based on the routed streams, loading rates, duration, high heating values, and the corresponding emission factors. The total emissions shall not exceed for each pollutant, PM10, 3.25 tons per year (TPY); SO2, 186.29 TPY; NOx, 29.70 TPY; CO, 1161.59 TPY; VOC, 57.08 TPY (with speciation limits). All the routed streams, loading rates, duration, heating values, and the corresponding emission factors shall be recorded along with the corresponding calculated emissions for each month, as well as the total calculated emissions based on the routed streams, loading rates, duration, high heating values, and the corresponding emission factors for the last twelve months. These records shall be kept on site and available for inspection by the Office of Environmental Compliance, Surveillance Division. The total calculated emissions based on the above stated conditions above the maximum listed in this permit as referenced above for any twelve consecutive month period shall be a violation of this permit and must be reported to the Office of Environmental Compliance, Enforcement Division. A report showing the routed streams, loading rates, duration, high heating values, and the corresponding emission factors with the total calculated emissions for the last twelve months shall be submitted to the Office of Environmental Compliance, Surveillance Division by March 31 for the preceding calendar year.

UNF0006 Logistics I

931 [40 CFR 60.]

932 [40 CFR 61.145(b)(1)]

933 [40 CFR 61.148]

All affected facilities shall comply with all applicable provisions in 40 CFR 60 Subpart A.

Provide DEQ with written notice of intention to demolish or renovate prior to performing activities to which 40 CFR 61 Subpart M applies. Delivery of the notice by U.S. Postal Service, commercial delivery service, or hand delivery is acceptable. Subpart M. [40 CFR 61.145(b)(1)]
Do not install or reinstall on a facility component any insulating materials that contain commercial asbestos if the materials are either molded and friable or wet-applied and friable after drying. Subpart M.

SPECIFIC REQUIREMENTS

AI ID: 1406 - Motiva Enterprises LLC - Norco Refinery
Activity Number: PER20020014
Permit Number: 2913-V0
Air - Title V Regular Permit Renewal

UNF0006 Logistics I

- 934 [40 CFR 61.342(b)(2)] As part of the waiver application submitted under 40 CFR 61.342(b)(1), the owner or operator shall submit to the DEQ a plan under 40 CFR 61.10(b)(3) that is an enforceable commitment to obtain environmental benefits to mitigate the benzene emissions that result from extending the compliance date. The plan shall include the information specified in 40 CFR 61.342(b)(2)(i-iii). [40 CFR 61.342(b)(2)]
- 935 [40 CFR 61.342(b)] Comply with the requirements of 40 CFR 61.342(c) through (h) no later than 90 days following the effective date, unless a waiver of compliance has been obtained under 40 CFR 61.11, or by the initial startup for a new source with an initial startup after the effective date. Subpart FF. [40 CFR 61.342(b)]
- 936 [40 CFR 61.342(c)(1)(i)] Waste streams containing benzene: Remove or destroy the benzene contained in the waste using a treatment process or wastewater treatment system that complies with the standards specified in 40 CFR 61.348. Subpart FF. [40 CFR 61.342(c)(1)(i)]
- 937 [40 CFR 61.342(d)(2)(i)] Benzene < 1 Mg/yr (1.1 ton/yr) total quantity. Subpart FF. [40 CFR 61.342(d)(2)(i)]
- 938 [40 CFR 61.342(e)(2)(i)] Which Months: All Year Statistical Basis: None specified Benzene <= 6 Mg/yr (6.6 ton/yr), as determined in 40 CFR 61.355(k). Subpart FF. [40 CFR 61.342(e)(2)(i)]
- 939 [40 CFR 61.355] Which Months: All Year Statistical Basis: None specified Determine compliance with 40 CFR 61 Subpart FF using the test methods and procedures specified in 40 CFR 61.355(a) through (i), as applicable. Subpart FF.
- 940 [40 CFR 61.356] Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency Maintain records as specified in 40 CFR 61.356(a) through (n), as applicable. Maintain each record in a readily accessible location at the facility site for a period not less than two years from the date the information is recorded unless otherwise specified. Subpart FF.
- 941 [40 CFR 61.357(a)] Submit report: Due by initial startup. Submit a report that summarizes the regulatory status of each waste stream subject to 40 CFR 61.342 and is determined by the procedures specified in 40 CFR 61.355(c) to contain benzene. Include the information specified in 40 CFR 61.357(a)(1) through (a)(4). If there is no benzene onsite in wastes, products, by-products, or intermediates, submit an initial report that is a statement to this effect. Subpart FF. [40 CFR 61.357(a)]
- 942 [40 CFR 61.357(a)] Submit report: Due within 90 days after January 7, 1993. Submit a report that summarizes the regulatory status of each waste stream subject to 40 CFR 61.342 and is determined by the procedures specified in 40 CFR 61.355(c) to contain benzene. Include the information specified in 40 CFR 61.357(a)(1) through (a)(4). If there is no benzene onsite in wastes, products, by-products, or intermediates, submit an initial report that is a statement to this effect. Subpart FF. [40 CFR 61.357(a)]
- 943 [40 CFR 61.357(d)(1)] Submit report: Due by the date of initial startup. Submit a certification that the equipment necessary to comply with 40 CFR 61 Subpart FF has been installed and that the required initial inspections or tests have been carried out in accordance with 40 CFR 61 Subpart FF. [40 CFR 61.357(d)(1)]
- 944 [40 CFR 61.357(d)(1)] Submit report: Due within 90 days after January 7, 1993. Submit a certification that the equipment necessary to comply with 40 CFR 61 Subpart FF has been installed and that the required initial inspections or tests have been carried out in accordance with 40 CFR 61 Subpart FF. [40 CFR 61.357(d)(1)]
- 945 [40 CFR 61.357(d)(2)] Submit report: Due annually, beginning on the date that equipment necessary to comply with 40 CFR 61 Subpart FF has been certified in accordance with 40 CFR 61.357(d)(1). Submit updates to the information listed in 40 CFR 61.357(a)(1) through (a)(3) or, if the information in 40 CFR 61.357(a)(1) through (3) is not changed in the following year, a statement to that effect. Subpart FF. [40 CFR 61.357(d)(2)]
- 946 [40 CFR 61.357(d)(5)] Include in the report required by 40 CFR 61.357(d)(2) a table presenting the information specified in 40 CFR 61.357(d)(5)(i) and (d)(5)(ii) for each waste stream. Subpart FF. [40 CFR 61.357(d)(5)]

SPECIFIC REQUIREMENTS

AI ID: 1406 - Motiva Enterprises LLC - Norco Refinery
Activity Number: PER20020014
Permit Number: 2913-V0
Air - Title V Regular Permit Renewal

UNF0006 Logistics I

- 947 [40 CFR 61.357(d)(6)] Submit report: Due quarterly, beginning three months after the date that the equipment necessary to comply with 40 CFR 61 Subpart FF has been certified in accordance with 40 CFR 61.357(d)(1). Submit a certification that all of the required inspections have been carried out in accordance with the requirements of 40 CFR 61 Subpart FF. Subpart FF. [40 CFR 61.357(d)(6)]
- 948 [40 CFR 61.357(d)(7)] Submit report: Due quarterly, beginning three months after the date that the equipment necessary to comply with 40 CFR 61 Subpart FF has been certified in accordance with 40 CFR 61.357(d)(1). Include the information specified in 40 CFR 61.357(d)(7)(i) through (d)(7)(v). Subpart FF. [40 CFR 61.357(d)(7)]
- 949 [40 CFR 61.357(d)(8)] Submit report: Due annually, beginning one year after the date that the equipment necessary to comply with 40 CFR 61 Subpart FF has been certified in accordance with 40 CFR 61.357(d)(1). Submit a report that summarizes all inspections required by 40 CFR 61.342 through 61.354 during which detectable emissions are measured or a problem that could result in benzene emissions is identified, including information about the repairs or corrective action taken. Subpart FF. [40 CFR 61.357(d)(8)]
- 950 [40 CFR 61.357(e)] Notify DEQ of the alternative standard selected in the report required under 40 CFR 61.07 or 61.10. Subpart FF. [40 CFR 61.357(e)]
- 951 [40 CFR 61.] All affected facilities shall comply with all applicable provisions in 40 CFR 61 Subpart A.
- 952 [40 CFR 63.642(d)(2)] Submit Notification of the intention to conduct a performance test: Due at least 30 days before the performance test is scheduled. Subpart CC. [40 CFR 63.642(d)(2)]
- 953 [40 CFR 63.642(d)(3)] Conduct performance tests according to the provisions of 40 CFR 63.7(e), except conduct performance tests at maximum representative operating capacity for the process. During the performance test, operate the control device at either maximum or minimum representative operating conditions for monitored control device parameters, whichever results in lower emission reduction. Subpart CC. [40 CFR 63.642(d)(3)]
- 954 [40 CFR 63.642(e)] Keep copies of all applicable reports and records required by 40 CFR 63 Subpart CC for at least 5 years except as otherwise specified in 40 CFR 63 Subpart CC. Maintain all applicable records in such a manner that they can be readily accessed within 24 hours. Subpart CC. [40 CFR 63.642(e)]
- 955 [40 CFR 63.642(g)] Control emissions of organic HAPs to the level represented by the equation in 40 CFR 63.642(g). Subpart CC. [40 CFR 63.642(g)]
- 956 [40 CFR 63.642(h)] Control emissions of organic HAPs to the level represented by the equation in 40 CFR 63.642(g). Subpart CC. [40 CFR 63.642(h)]
- 957 [40 CFR 63.654(h)(1)] Submit reports of startup, shutdown, and malfunction required by 40 CFR 63.10(d)(5). Subpart CC. [40 CFR 63.654(h)(1)]
- 958 [40 CFR 63.654(h)(6)] Submit the information specified in 40 CFR 63.654(h)(6)(i) through (iii), as applicable. Subpart CC. [40 CFR 63.654(h)(6)]
- 959 [40 CFR 63.654(i)(2)] Retain a record of all reported performance test results required under 40 CFR 63.654(f) and (g)(7) as well as a complete test report, as described in 40 CFR 63.654(f)(2)(ii) for each emission point tested. Subpart CC. [40 CFR 63.654(i)(2)]
- 960 [40 CFR 63.654(i)(4)] Retain all information required to be reported under 40 CFR 63.654(a) through (h) for five years. Subpart CC. [40 CFR 63.654(i)(4)]
- 961 [40 CFR 63.] All affected facilities shall comply with all applicable provisions in 40 CFR 63 Subpart A.
- 962 [40 CFR 70.5(a)(1)(iii)] Submit Title V permit application for renewal: Due 6 months before permit expiration date. [40 CFR 70.5(a)(1)(iii)]
- 963 [40 CFR 70.6(a)(3)(iii)(A)] Submit Title V monitoring results report: Due semiannually, by March 31st and September 30th for the preceding periods encompassing July through December and January through June, respectively. Submit reports to the Office of Environmental Compliance, Surveillance Division. Certify reports by a responsible company official. Clearly identify all instances of deviations from permitted monitoring requirements. For previously reported deviations, in lieu of attaching the individual deviation reports, clearly reference the communication(s)/correspondence(s) constituting the prior report, including the date the prior report was submitted. [40 CFR 70.6(a)(3)(iii)(A)]

SPECIFIC REQUIREMENTS

AI ID: 1406 - Motiva Enterprises LLC - Norco Refinery

Activity Number: PER20020014

Permit Number: 2913-V0

Air - Title V Regular Permit Renewal

UNF0006 Logistics I

- 964 [40 CFR 70.6(a)(3)(iii)(B)] Submit Title V excess emissions report: Due quarterly, by June 30, September 30, December 31, March 31. Submit reports of all permit deviations to the Office of Environmental Compliance, Surveillance Division. Certify all reports by a responsible official in accordance with 40 CFR 70.5(d). The reports submitted on March 31 and September 30 may be consolidated with the semi-annual reports required by 40 CFR 70.6(a)(3)(iii)(A) as long as the report clearly indicates this and all required information is included and clearly delineated in the consolidated report. Unless required by an applicable reporting requirement, a written report is not required during periods in which there is no deviation. [40 CFR 70.6(a)(3)(iii)(B)]
- 965 [40 CFR 70.6(c)(5)(iv)] Submit Title V compliance certification: Due annually, by the 31st of March. Submit to the Office of Environmental Compliance, Surveillance Division. [40 CFR 70.6(c)(5)(iv)]
- 966 [40 CFR 82.Subpart F] Comply with the standards for recycling and emissions reduction pursuant to 40 CFR Part 82, Subpart F, except as provided for Motor Vehicle Air Conditioners (MVACs) in Subpart B.
- 967 [LAC 33:III.1103] Emissions of smoke which pass onto or across a public road and create a traffic hazard by impairment of visibility as defined in LAC 33:III.111 or intensify an existing traffic hazard condition are prohibited.
- 968 [LAC 33:III.1109.B] Outdoor burning of waste material or other combustible material is prohibited.
- 969 [LAC 33:III.1303.B] Emissions of particulate matter which pass onto or across a public road and create a traffic hazard by impairment of visibility or intensify an existing traffic hazard condition are prohibited.
- 970 [LAC 33:III.1305] Prevent particulate matter from becoming airborne by taking all reasonable precautions. These precautions shall include, but not be limited to, those specified in LAC 33:III.1305.A.1-7.
- 971 [LAC 33:III.2113.A] Maintain best practical housekeeping and maintenance practices at the highest possible standards to reduce the quantity of organic compounds emissions. Good housekeeping shall include, but not be limited to, the practices listed in LAC 33:III.2113.A.1-5.
- 972 [LAC 33:III.2119] Failure to pay the prescribed application fee or annual fee as provided herein, within 90 days after the due date, will constitute a violation of these regulations and shall subject the person to applicable enforcement actions under the Louisiana Environmental Quality Act including, but not limited to, revocation or suspension of the applicable permit, license, registration, or variance.
- 973 [LAC 33:III.2901.D] Discharges of odorous substances at or beyond property lines which cause a perceived odor intensity of six or greater on the specified eight point butanol scale as determined by Method 41 of LAC 33:III.2901.G are prohibited.
- 974 [LAC 33:III.2901.F] If requested to monitor for odor intensity, take and transport samples in a manner which minimizes alteration of the samples either by contamination or loss of material. Evaluate all samples as soon after collection as possible in accordance with the procedures set forth in LAC 33:III.2901.G.
- 975 [LAC 33:III.5151.F.1.f] An individual or company contracted to perform a demolition or renovation activity which disturbs RACM must be recognized by the Licensing Board for Contractors to perform asbestos abatement, and shall meet the requirements of LAC 33:III.5151.F.2 and F.3 for each demolition or renovation activity.
- 976 [LAC 33:III.5609.A.1.b] Activate the preplanned abatement strategy listed in LAC 33:III.5611.Table 5 when the administrative authority declares an Air Pollution Alert.
- 977 [LAC 33:III.5609.A.2.b] Activate the preplanned strategy listed in LAC 33:III.5611.Table 6 when the administrative authority declares an Air Pollution Warning.
- 978 [LAC 33:III.5609.A.3.b] Activate the preplanned abatement strategy listed in LAC 33:III.5611.Table 7 when the administrative authority declares an Air Pollution Emergency.

SPECIFIC REQUIREMENTS

AI ID: 1406 - Motiva Enterprises LLC - Norco Refinery
Activity Number: PER20020014
Permit Number: 2913-V0
Air - Title V Regular Permit Renewal

UNF0006 Logistics I

- 979 [LAC 33:III.5609.A] Prepare standby plans for the reduction of emissions during periods of Air Pollution Alert, Air Pollution Warning and Air Pollution Emergency. Design standby plans to reduce or eliminate emissions in accordance with the objectives as set forth in LAC 33:III.5611. Tables 5, 6, and 7.
- 980 [LAC 33:III.5611.A] Submit standby plan for the reduction or elimination of emissions during an Air Pollution Alert, Air Pollution Warning, or Air Pollution Emergency: Due within 30 days after requested by the administrative authority.
- 981 [LAC 33:III.5611.B] During an Air Pollution Alert, Air Pollution Warning or Air Pollution Emergency, make the standby plan available on the premises to any person authorized by the department to enforce these regulations.
- 982 [LAC 33:III.5901.A] Comply with the provisions in 40 CFR 68, except as specified in LAC 33:III.5901.
- 983 [LAC 33:III.5907] Identify hazards that may result from accidental releases of the substances listed in 40 CFR 68.130, Table 59.0 of LAC 33:III.5907, or Table 59.1 of LAC 33:III.5913 using appropriate hazard assessment techniques, design and maintain a safe facility, and minimize the off-site consequences of accidental releases of such substances that do occur.
- 984 [LAC 33:III.5911.A] Submit registration: Due January 31, 1998, or within 60 days after the source becomes subject to LAC 33:III.Chapter 59, whichever is later. Include the information listed in LAC 33:III.5911.B, and submit to the Department of Environmental Quality, Office of Environmental Compliance, Emergency and Radiological Services Division.
- 985 [LAC 33:III.5911.C] Submit amended registration: Due to the Department of Environmental Quality, Office of Environmental Compliance, Emergency and Radiological Services Division, within 60 days after the information in the submitted registration is no longer accurate.
- 986 [LAC 33:III.905] Install air pollution control facilities whenever practically, economically, and technologically feasible. When facilities have been installed on a property, use them and diligently maintain them in proper working order whenever any emissions are being made which can be controlled by the facilities, even though the ambient air quality standards in affected areas are not exceeded.
- 987 [LAC 33:III.913] Provide necessary sampling ports in stacks or ducts and such other safe and proper sampling and testing facilities, exclusive of instruments and sensing devices as may be necessary for proper determination of emission limits.
- 988 [LAC 33:III.917.A] Where, upon written application of the responsible person or persons, the administrative authority finds that by reason of exceptional circumstances strict conformity with any provisions of these regulations would cause undue hardship, would be unreasonable, impractical or not feasible under the circumstances, the administrative authority may permit a variance from these regulations.
- 989 [LAC 33:III.917.B] No variance may permit or authorize the maintenance of a nuisance, or a danger to public health or safety.
- 990 [LAC 33:III.919.D] Submit Emission Inventory (EI)/Annual Emissions Statement: Due annually, by the 31st of March for the period January 1 to December 31 of the previous year unless otherwise directed. Submit emission inventory data in the format specified by the Office of Environmental Assessment, Air Quality Assessment Division. Include all data applicable to the emissions source(s), as specified in LAC 33:III.919.A-D.
- 991 [LAC 33:III.927] Report the unauthorized discharge of any air pollutant into the atmosphere in accordance with LAC 33:III.Chapter 39, Notification Regulations and Procedures for Unauthorized Discharges. Submit written reports to the department pursuant to LAC 33:III.3925. Submit timely and appropriate follow-up reports detailing methods and procedures to be used to prevent similar atmospheric releases.
- 992 [LAC 33:III.929.A] No person or group of persons shall allow particulate matter or gases to become airborne in amounts which cause the ambient air quality standards to be exceeded.